

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
 Data File : VN086824.D
 Acq On : 29 May 2025 19:01
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Quant Time: May 30 02:48:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 30 02:22:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.806	128	48719	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	292995	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	261399	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	111641	33.352	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.167%#
60) 4-Bromofluorobenzene	12.847	95	121026	29.490	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.300%
63) Toluene-d8	10.565	98	358373	29.870	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.567%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	68003	20.552	ug/l	97
3) Chloromethane	2.371	50	171656	40.236	ug/l	98
4) Vinyl Chloride	2.530	62	79345	20.209	ug/l	96
5) Bromomethane	2.983	94	35904	17.260	ug/l	99
6) Chloroethane	3.142	64	48517	20.204	ug/l	95
7) Trichlorofluoromethane	3.512	101	93999	20.442	ug/l	99
8) Diethyl Ether	3.947	74	41501	21.636	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.359	101	56422	20.021	ug/l	99
10) 1,1-Dichloroethene	4.324	96	59021	20.542	ug/l	96
11) Methyl Iodide	4.571	142	64558	19.061	ug/l	99
12) Methyl Acetate	5.000	43	70029	21.947	ug/l	94
13) Acrolein	4.165	56	54450	165.187	ug/l	98
14) Acrylonitrile	5.706	53	162625	109.523	ug/l	100
15) Acetone	4.412	58	52763	140.345	ug/l	83
16) Carbon Disulfide	4.694	76	176580	21.054	ug/l	100
17) Allyl chloride	5.006	41	96349	22.573	ug/l	99
18) Methylene Chloride	5.259	84	70029	20.988	ug/l	94
19) trans-1,2-Dichloroethene	5.765	96	62273	20.711	ug/l	94
20) Diisopropyl ether	6.659	45	216983	23.082	ug/l	96
21) 1,1-Dichloroethane	6.553	63	122336	21.564	ug/l	98
22) cis-1,2-Dichloroethene	7.482	96	76131	20.908	ug/l	96
23) tert-Butyl Alcohol	5.512	59	59572	124.935	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	207080	21.869	ug/l	96
25) Chloroform	7.959	83	116570	20.993	ug/l	100
26) Cyclohexane	8.247	56	106797	21.751	ug/l #	97
29) 1,1-Dichloropropene	8.365	75	83999	19.499	ug/l	97
30) 2-Butanone	7.471	43	208221	110.316	ug/l	99
31) 2,2-Dichloropropane	7.482	77	97829	19.239	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	100940	20.213	ug/l	99
33) Carbon Tetrachloride	8.353	117	81113	19.002	ug/l	98
34) Benzene	8.600	78	277095	19.769	ug/l	96
35) Methacrylonitrile	7.771	41	48573	22.403	ug/l	96
36) 1,2-Dichloroethane	8.665	62	85344	20.778	ug/l	98
37) Trichloroethene	9.347	130	62506	16.077	ug/l	94
38) Methylcyclohexane	9.594	83	95413	19.962	ug/l	98
39) 1,2-Dichloropropane	9.618	63	70272	20.824	ug/l	98
40) Dibromomethane	9.706	93	43791	19.841	ug/l	97
41) Bromodichloromethane	9.882	83	96008	20.781	ug/l	98
42) Vinyl Acetate	6.594	43	722649	131.346	ug/l	98

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
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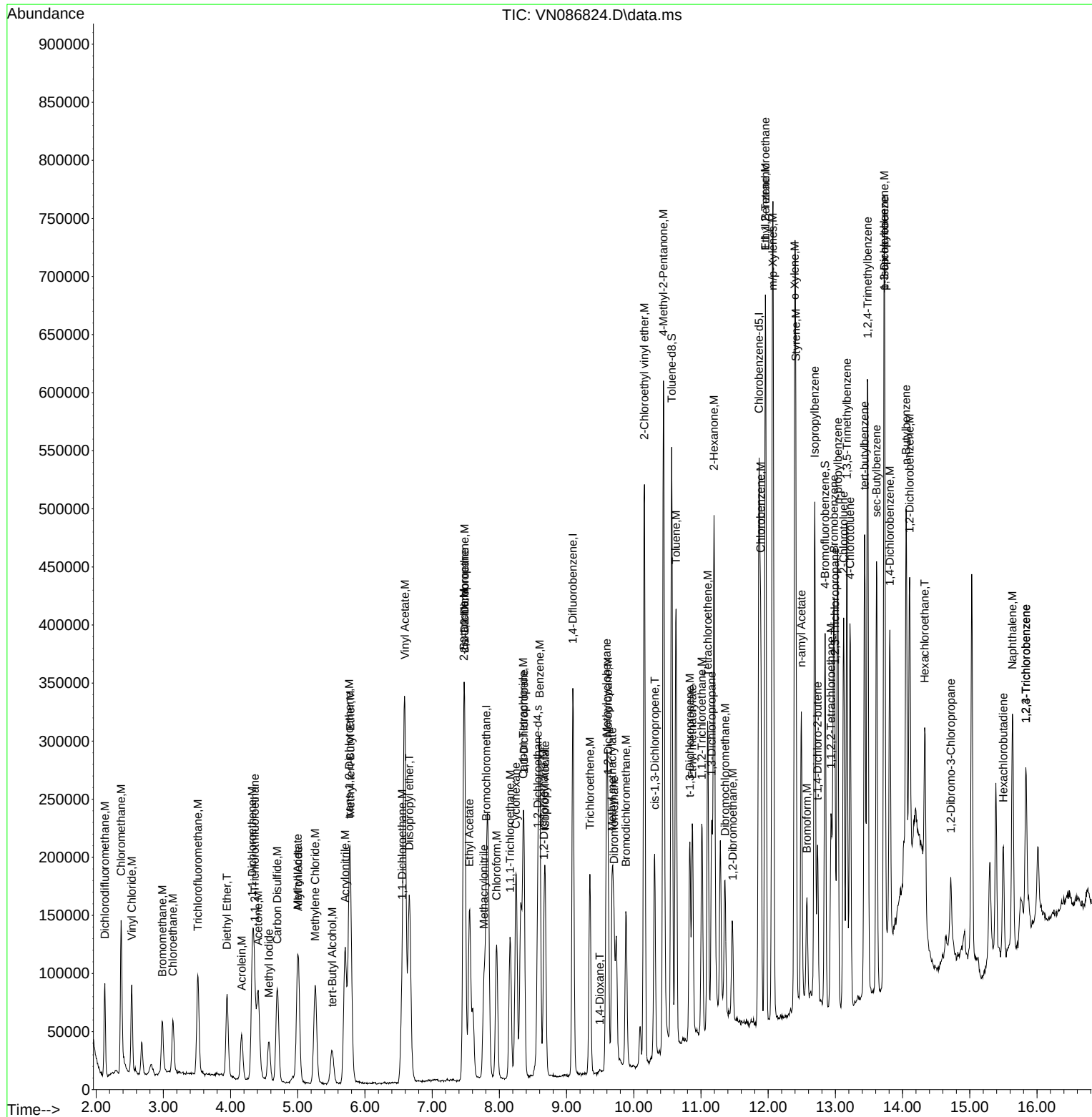
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43) Ethyl Acetate	7.553	43	77027	19.943	ug/l	95
44) Isopropyl Acetate	8.682	43	150513	22.717	ug/l	97
45) 1,4-Dioxane	9.494	88	658	11.174	ug/l	92
46) Methyl methacrylate	9.676	41	70728	23.152	ug/l	96
47) n-amyl Acetate	12.494	43	140489	26.413	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	104190	21.075	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	111170	20.444	ug/l	92
50) 1,1,2-Trichloroethane	11.012	97	63484	20.423	ug/l	98
51) Ethyl methacrylate	10.870	69	111002	22.049	ug/l	96
52) 1,3-Dichloropropane	11.159	76	111369	20.188	ug/l	99
53) Dibromochloromethane	11.359	129	68678	19.551	ug/l	100
54) 1,2-Dibromoethane	11.470	107	63645	20.030	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	238687	98.771	ug/l	99
56) Bromoform	12.576	173	43696	19.742	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	432945	112.876	ug/l	98
59) 2-Hexanone	11.194	43	307543	111.937	ug/l	98
61) Tetrachloroethene	11.100	164	61097	13.905	ug/l	93
62) Toluene	10.629	91	293230	19.918	ug/l	100
64) Chlorobenzene	11.888	112	181063	19.285	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	61820	20.043	ug/l	98
66) Ethyl Benzene	11.959	91	322669	20.263	ug/l	96
67) m/p-Xylenes	12.070	106	244163	39.074	ug/l	98
68) o-Xylene	12.394	106	120029	19.820	ug/l	98
69) Styrene	12.412	104	203110	20.131	ug/l	99
70) Isopropylbenzene	12.694	105	290814	20.191	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	88767	25.921	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	120497	30.023	ug/l	56
73) Bromobenzene	12.982	156	66112	18.467	ug/l	93
74) n-propylbenzene	13.035	91	346953	20.336	ug/l	97
75) 2-Chlorotoluene	13.123	91	213543	19.501	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	231591	19.328	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	37212	22.656	ug/l	93
78) 4-Chlorotoluene	13.217	91	213914	19.720	ug/l	97
79) tert-butylbenzene	13.435	119	203786	19.671	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	232541	19.334	ug/l	100
81) sec-Butylbenzene	13.611	105	271279	19.221	ug/l	100
82) p-Isopropyltoluene	13.729	119	224401	18.935	ug/l	97
83) 1,3-Dichlorobenzene	13.729	146	111067	16.911	ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	112244	17.174	ug/l	99
85) n-Butylbenzene	14.053	91	206450	20.809	ug/l	95
86) Hexachloroethane	14.329	117	39275	19.445	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	106225	16.767	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.717	75	16779	23.267	ug/l	96
89) 1,2,4-Trichlorobenzene	15.835	180	50381	19.002	ug/l	98
90) Hexachlorobutadiene	15.500	225	17705	15.580	ug/l	98
91) Naphthalene	15.635	128	201193	21.748	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	50381	19.002	ug/l	98

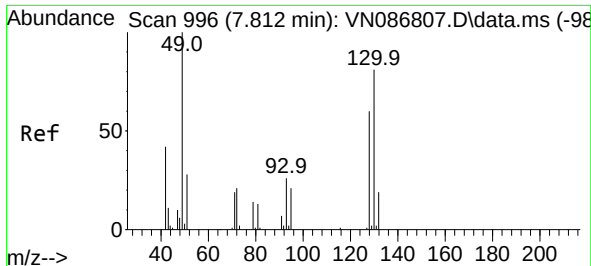
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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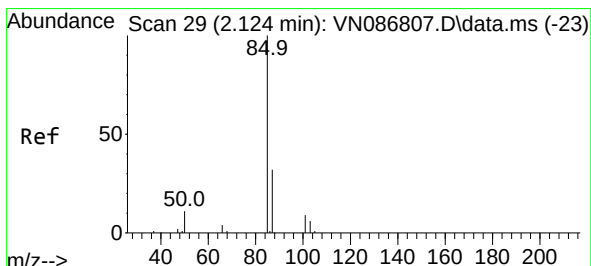
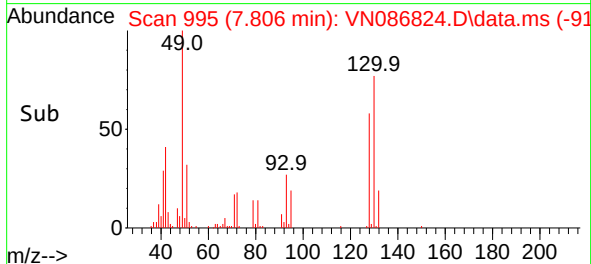
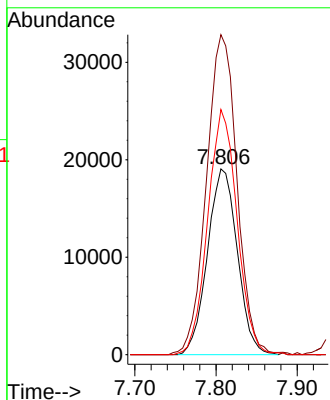
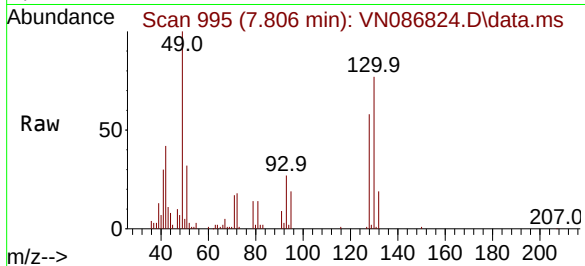




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

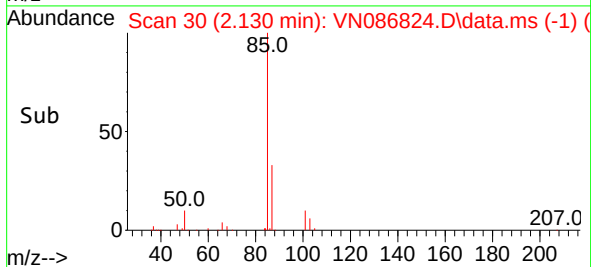
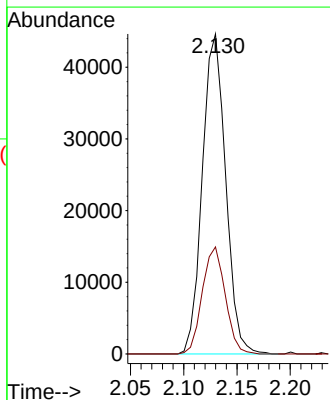
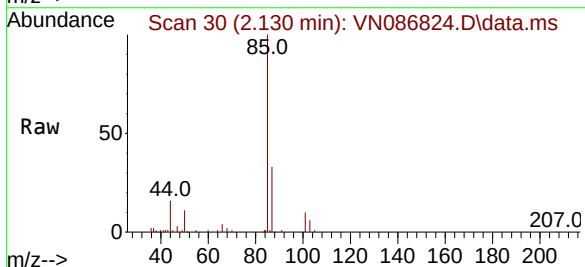
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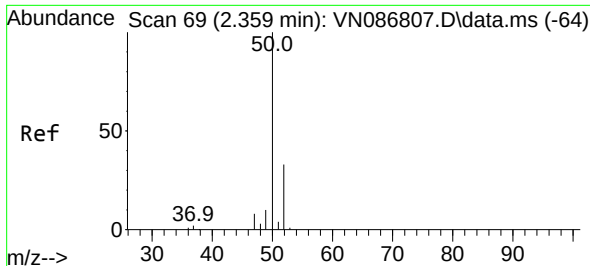
Tgt Ion:128 Resp: 48719
Ion Ratio Lower Upper
128 100
49 176.1 0.0 404.5
130 130.2 0.0 322.2



#2
Dichlorodifluoromethane
Concen: 20.552 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 85 Resp: 68003
Ion Ratio Lower Upper
85 100
87 33.4 15.9 47.7

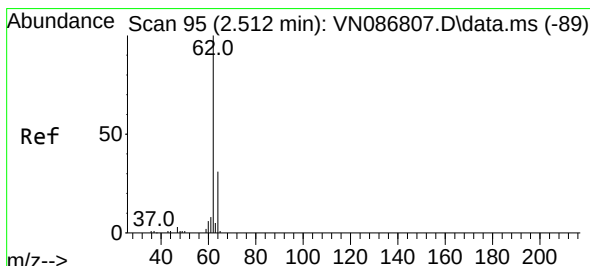
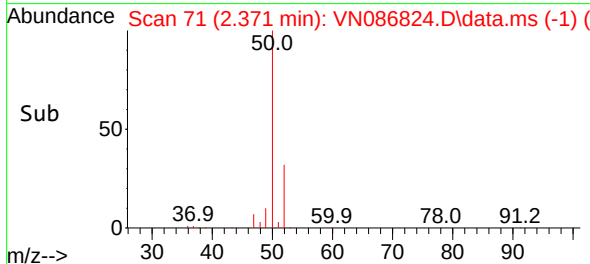
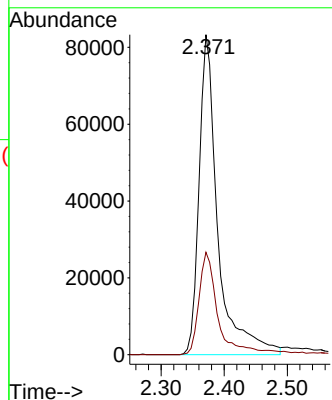
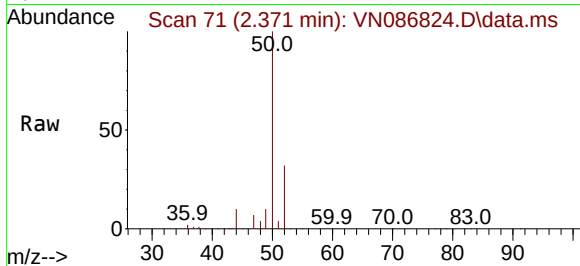




#3
Chloromethane
Concen: 40.236 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

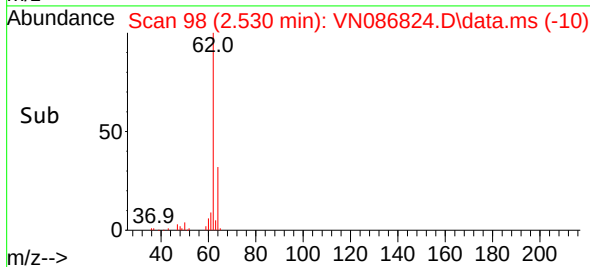
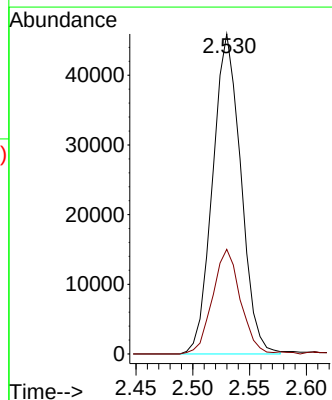
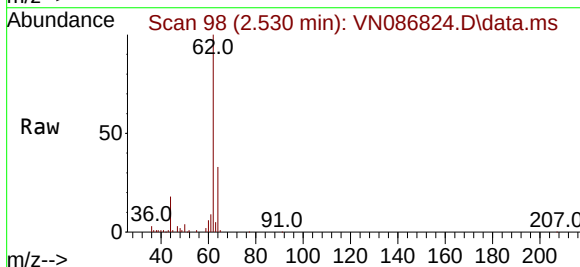
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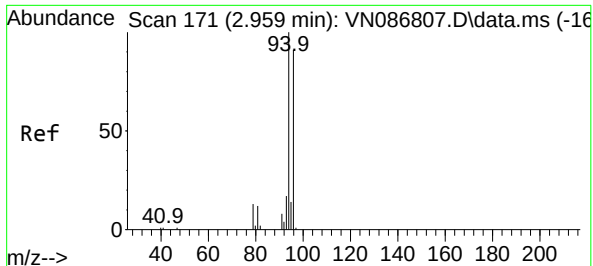
Tgt Ion: 50 Resp: 171656
Ion Ratio Lower Upper
50 100
52 32.0 26.6 40.0



#4
Vinyl Chloride
Concen: 20.209 ug/l
RT: 2.530 min Scan# 98
Delta R.T. 0.017 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 62 Resp: 79345
Ion Ratio Lower Upper
62 100
64 32.7 24.6 36.8

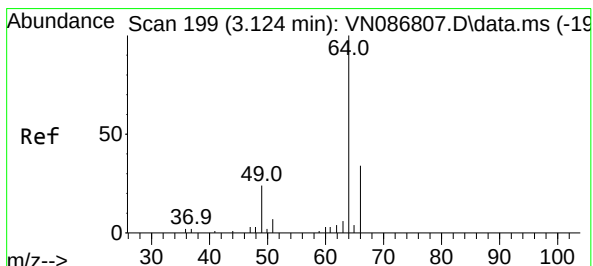
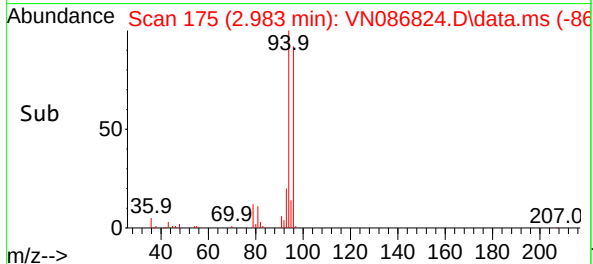
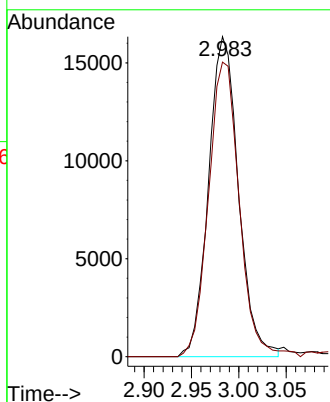
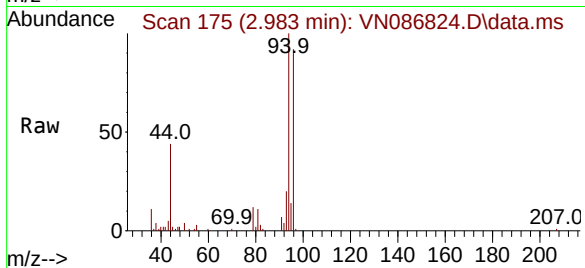




#5
Bromomethane
Concen: 17.260 ug/l
RT: 2.983 min Scan# 1
Delta R.T. 0.023 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

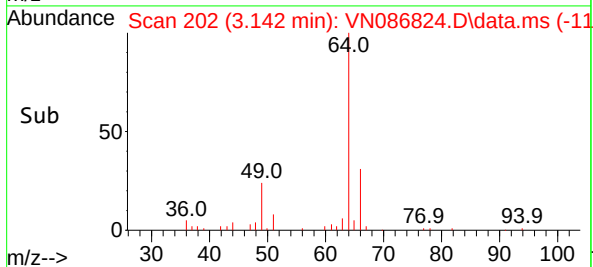
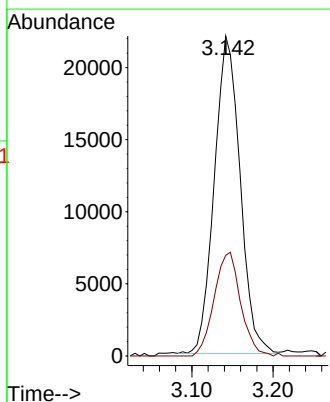
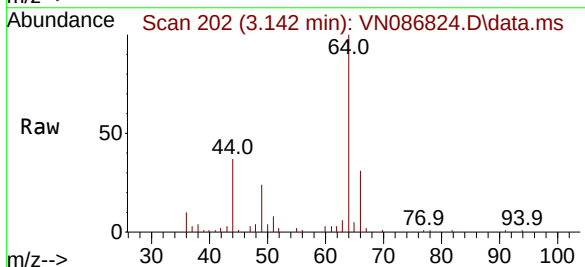
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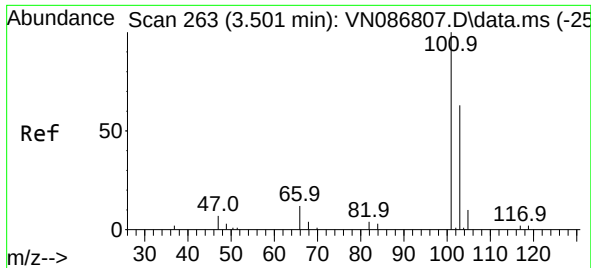
Tgt Ion: 94 Resp: 35904
Ion Ratio Lower Upper
94 100
96 92.1 72.7 109.1



#6
Chloroethane
Concen: 20.204 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.017 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 64 Resp: 48517
Ion Ratio Lower Upper
64 100
66 31.7 27.5 41.3

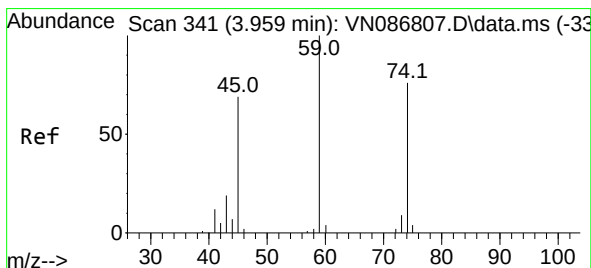
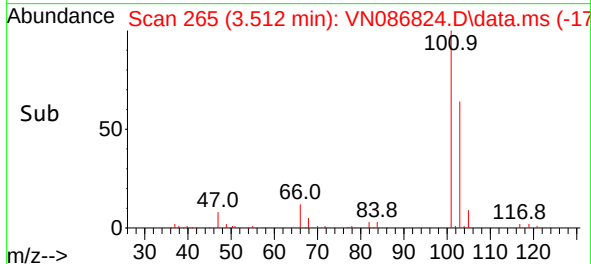
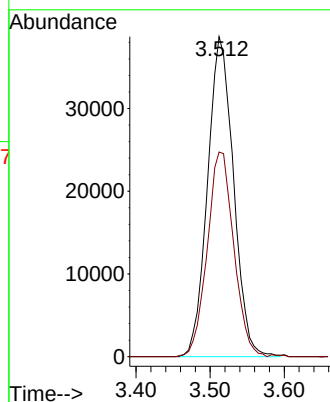
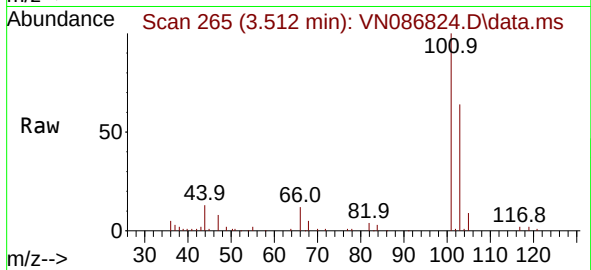




#7
 Trichlorofluoromethane
 Concen: 20.442 ug/l
 RT: 3.512 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: VN086824.D
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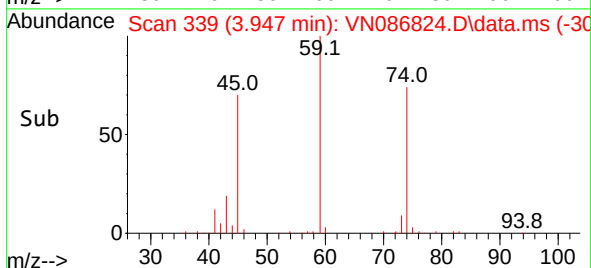
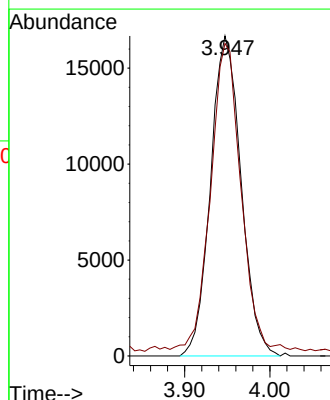
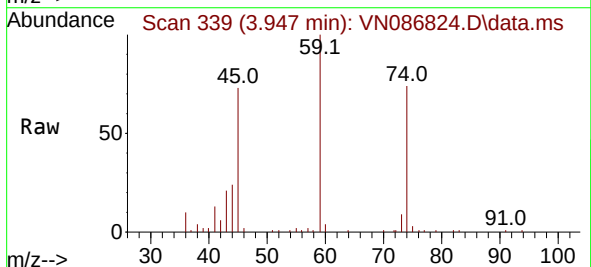
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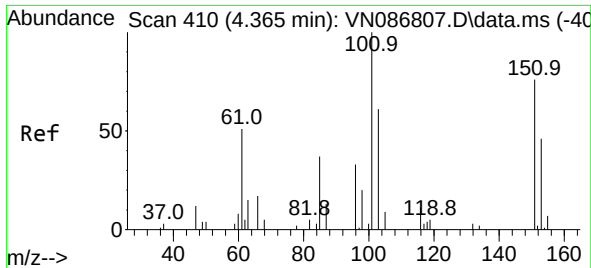
Tgt Ion:101 Resp: 93999
 Ion Ratio Lower Upper
 101 100
 103 63.6 50.0 75.0



#8
 Diethyl Ether
 Concen: 21.636 ug/l
 RT: 3.947 min Scan# 339
 Delta R.T. -0.012 min
 Lab File: VN086824.D
 Acq: 29 May 2025 19:01

Tgt Ion: 74 Resp: 41501
 Ion Ratio Lower Upper
 74 100
 45 94.5 17.9 161.5

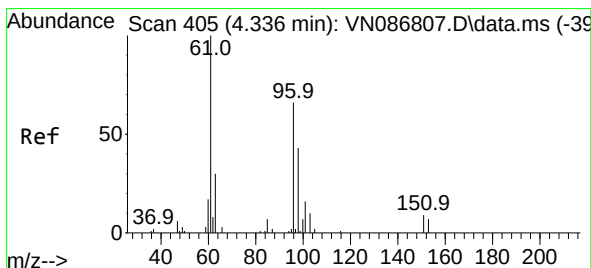
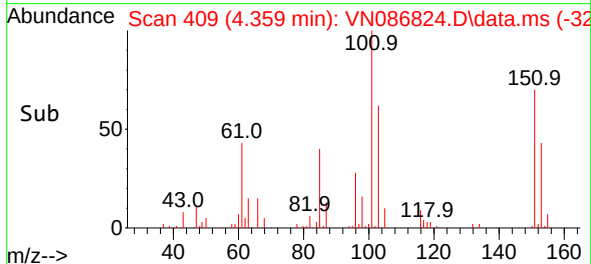
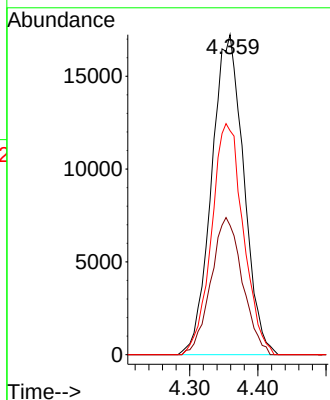
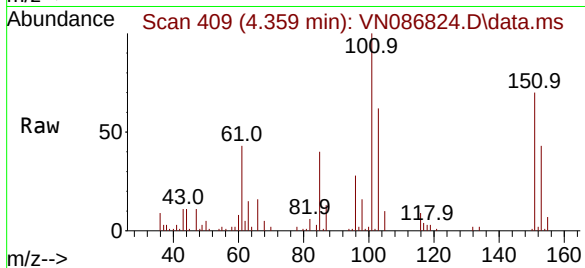




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.021 ug/l
 RT: 4.359 min Scan# 409
 Delta R.T. -0.006 min
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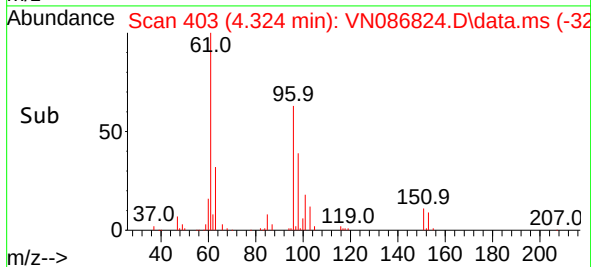
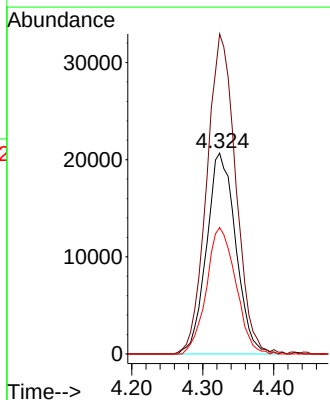
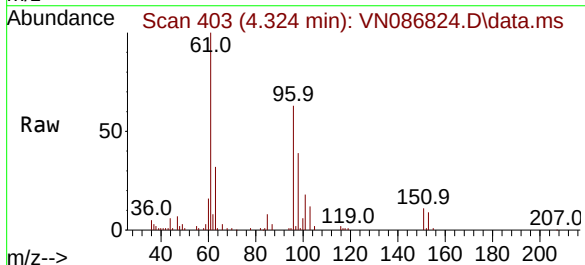
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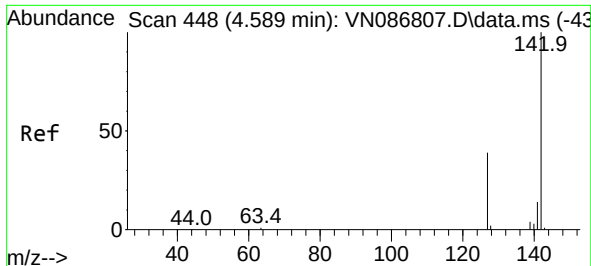
Tgt Ion:101 Resp: 56422
 Ion Ratio Lower Upper
 101 100
 85 42.2 0.0 83.2
 151 71.6 0.0 145.6



#10
 1,1-Dichloroethene
 Concen: 20.542 ug/l
 RT: 4.324 min Scan# 403
 Delta R.T. -0.012 min
 Lab File: VN086824.D
 Acq: 29 May 2025 19:01

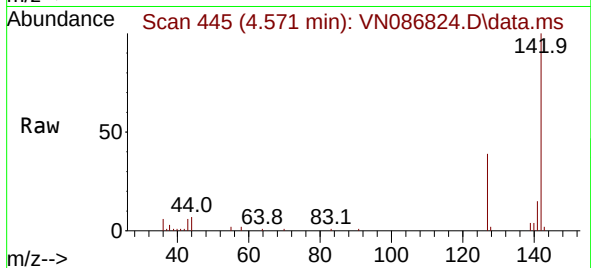
Tgt Ion: 96 Resp: 59021
 Ion Ratio Lower Upper
 96 100
 61 158.4 121.7 182.5
 98 62.9 51.9 77.9



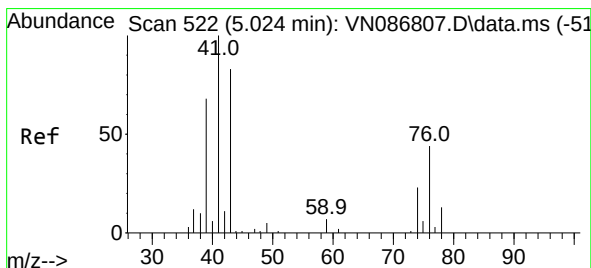
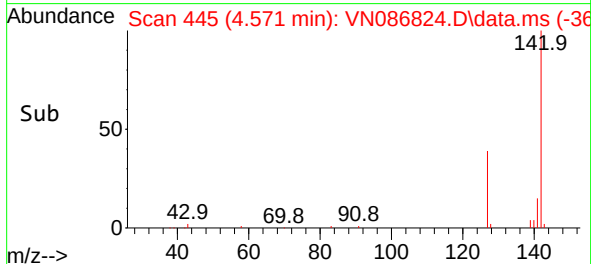
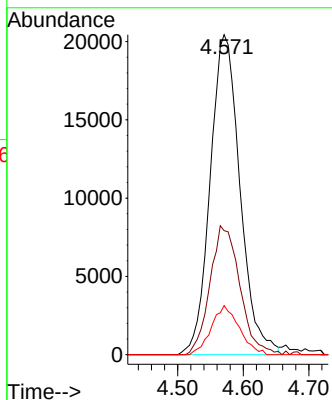


#11
Methyl Iodide
Concen: 19.061 ug/l
RT: 4.571 min Scan# 44
Delta R.T. -0.018 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

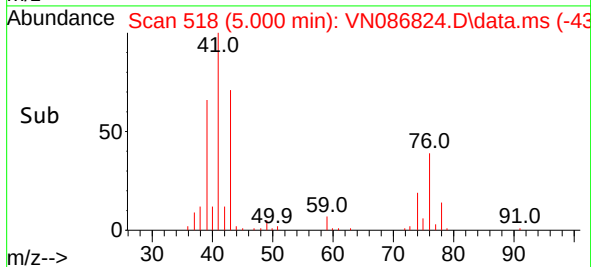
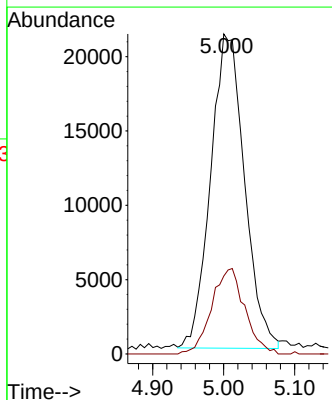
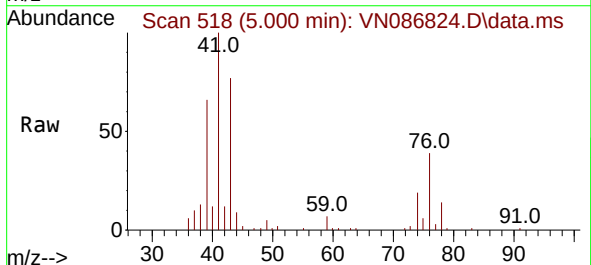


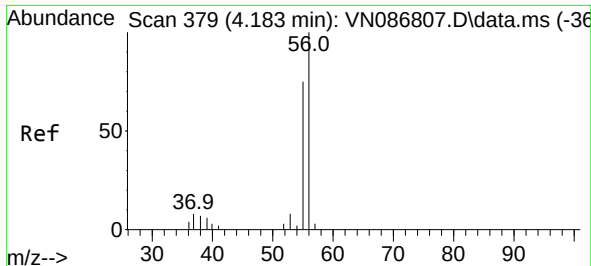
Tgt Ion:142 Resp: 64558
Ion Ratio Lower Upper
142 100
127 38.7 19.5 58.5
141 15.5 7.1 21.4



#12
Methyl Acetate
Concen: 21.947 ug/l
RT: 5.000 min Scan# 518
Delta R.T. -0.024 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 43 Resp: 70029
Ion Ratio Lower Upper
43 100
74 25.1 22.7 34.1

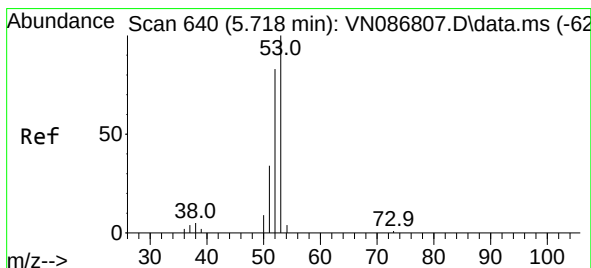
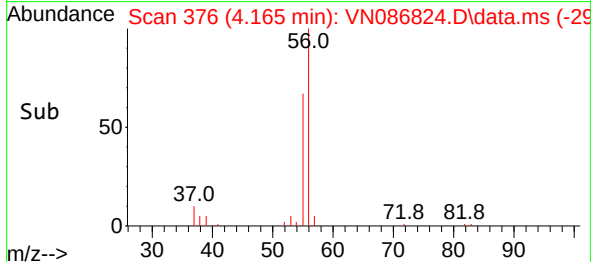
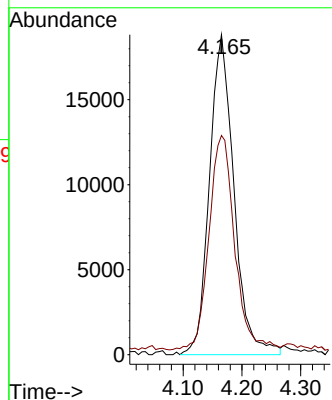
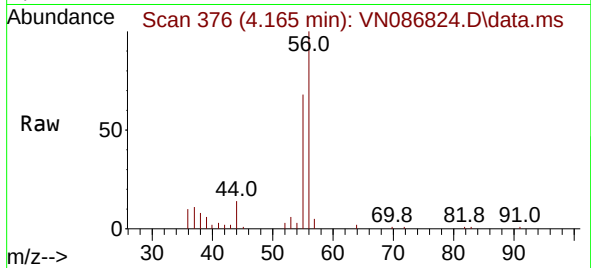




#13
Acrolein
Concen: 165.187 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.018 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

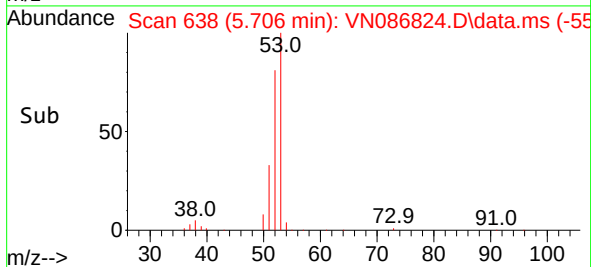
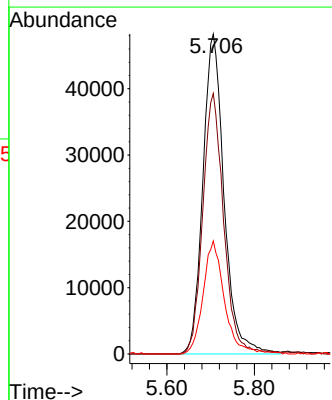
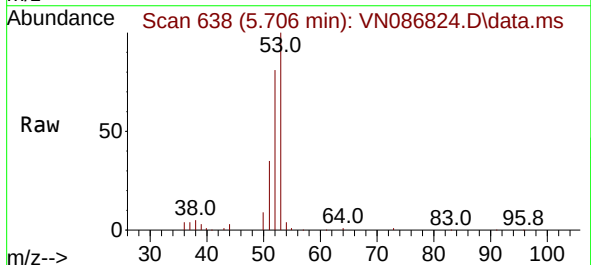
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

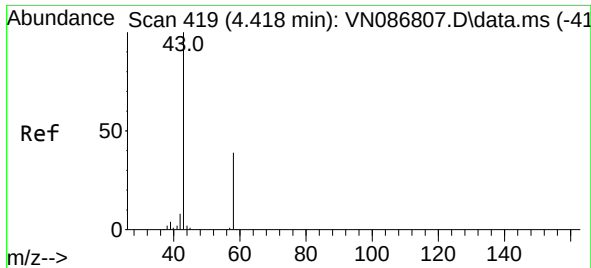
Tgt Ion: 56 Resp: 54450
Ion Ratio Lower Upper
56 100
55 68.3 55.9 83.9



#14
Acrylonitrile
Concen: 109.523 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.012 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 53 Resp: 162625
Ion Ratio Lower Upper
53 100
52 79.6 40.0 119.9
51 35.0 17.5 52.6





#15

Acetone

Concen: 140.345 ug/l

RT: 4.412 min Scan# 419

Delta R.T. -0.006 min

Lab File: VN086824.D

Acq: 29 May 2025 19:01

Instrument :

MSVOA_N

ClientSampleId :

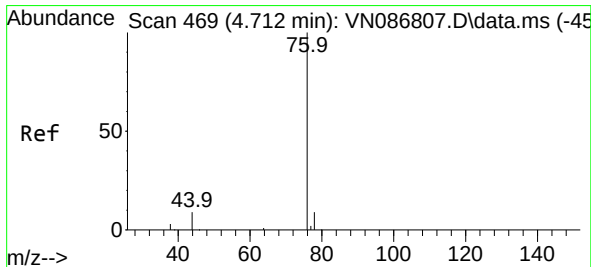
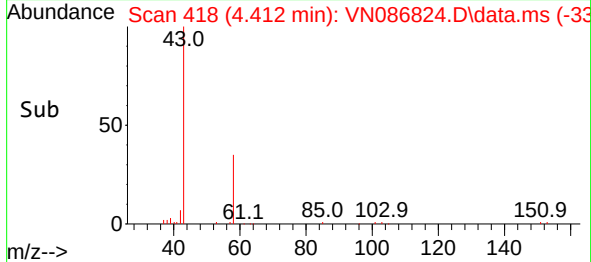
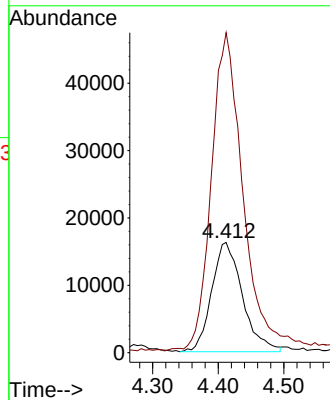
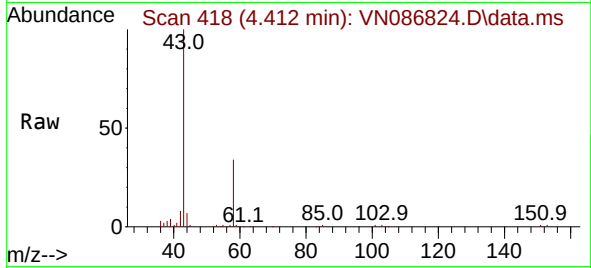
VSTDCCC020EC

Tgt Ion: 58 Resp: 52763

Ion Ratio Lower Upper

58 100

43 289.2 207.7 311.5



#16

Carbon Disulfide

Concen: 21.054 ug/l

RT: 4.694 min Scan# 466

Delta R.T. -0.018 min

Lab File: VN086824.D

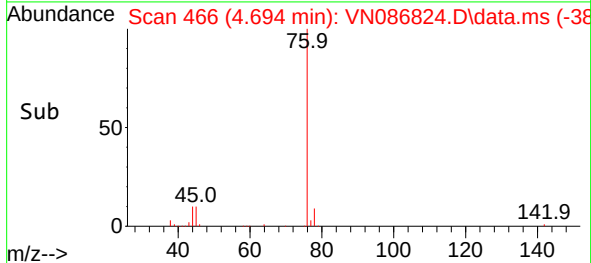
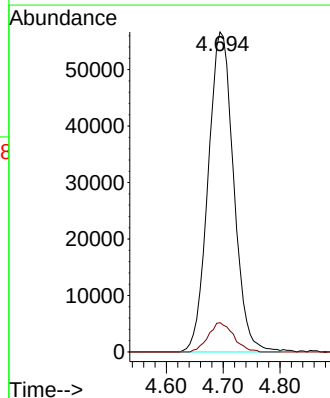
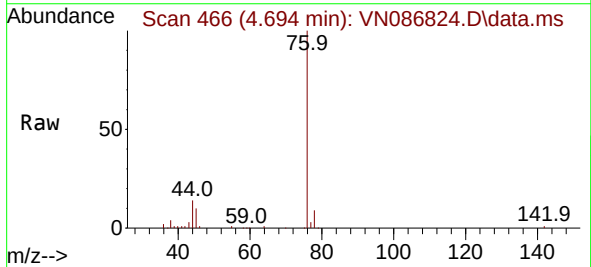
Acq: 29 May 2025 19:01

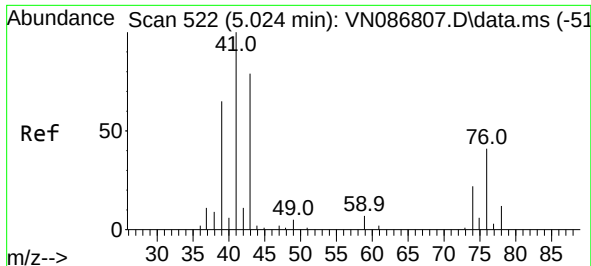
Tgt Ion: 76 Resp: 176580

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

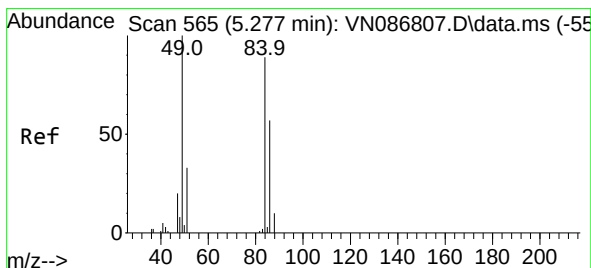
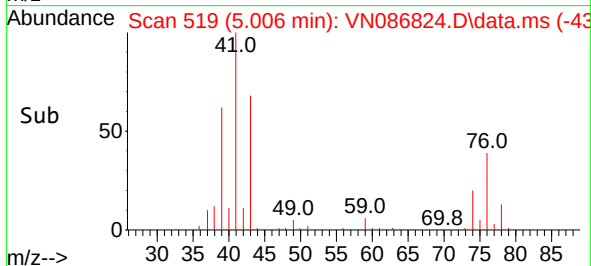
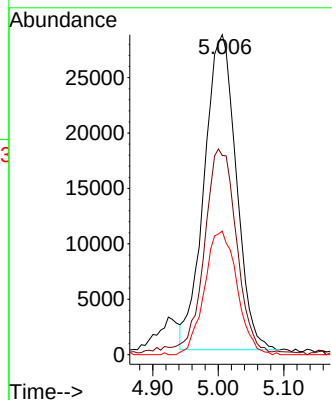
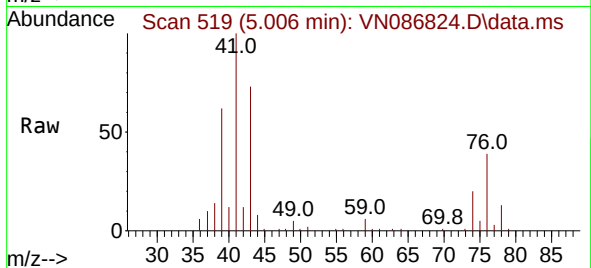




#17
Allyl chloride
Concen: 22.573 ug/l
RT: 5.006 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

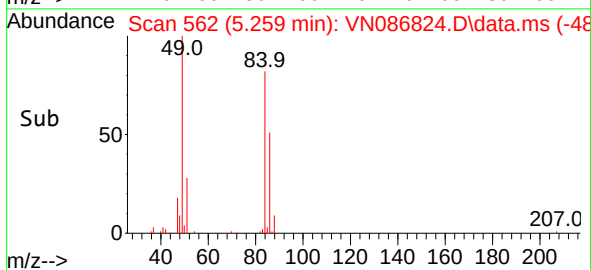
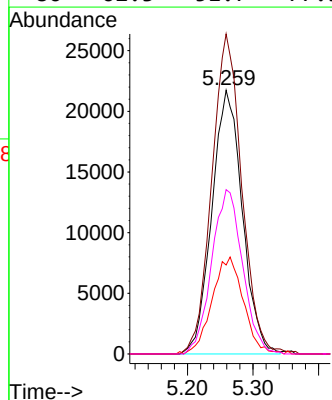
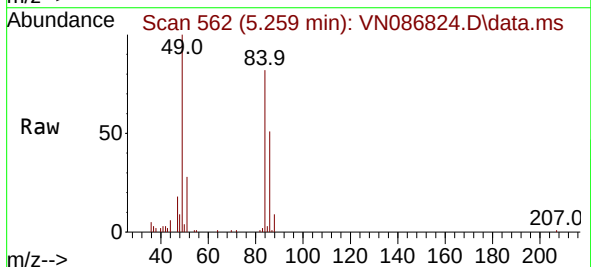
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

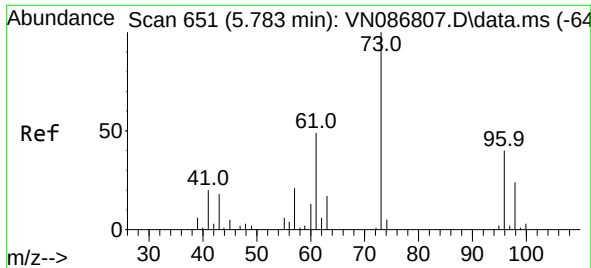
Tgt Ion:	41	Resp:	96349
Ion	Ratio	Lower	Upper
41	100		
39	62.3	31.6	94.8
76	39.2	20.1	60.2



#18
Methylene Chloride
Concen: 20.988 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion:	84	Resp:	70029
Ion	Ratio	Lower	Upper
84	100		
49	121.4	89.9	134.9
51	32.9	29.6	44.4
86	62.3	51.7	77.5





#19

trans-1,2-Dichloroethene

Concen: 20.711 ug/l

RT: 5.765 min Scan# 64

Delta R.T. -0.018 min

Lab File: VN086824.D

Acq: 29 May 2025 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

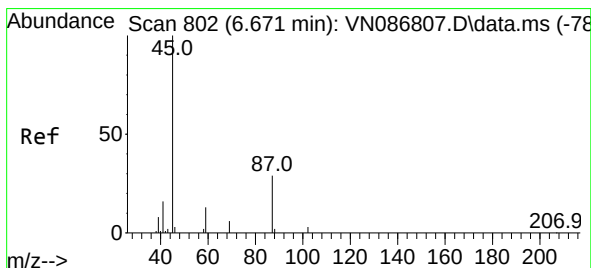
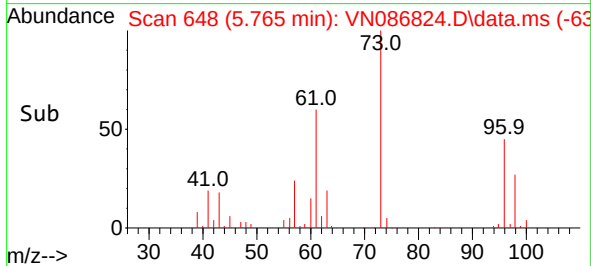
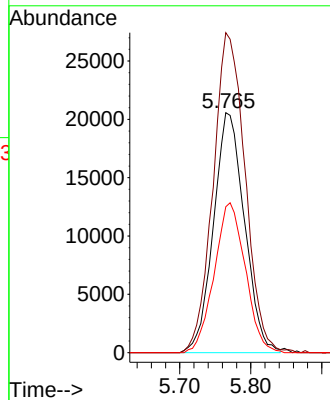
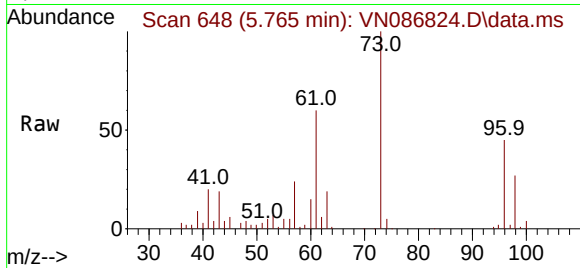
Tgt Ion: 96 Resp: 62273

Ion Ratio Lower Upper

96 100

61 133.4 98.9 148.3

98 60.8 49.0 73.4



#20

Diisopropyl ether

Concen: 23.082 ug/l

RT: 6.659 min Scan# 800

Delta R.T. -0.012 min

Lab File: VN086824.D

Acq: 29 May 2025 19:01

Tgt Ion: 45 Resp: 216983

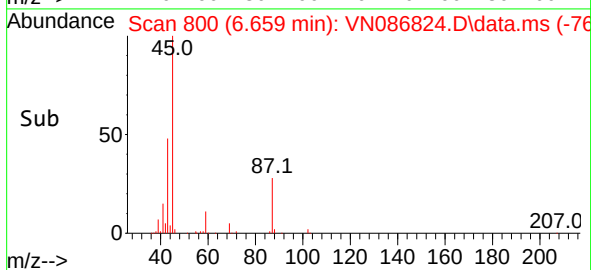
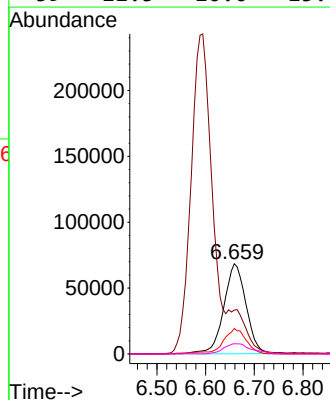
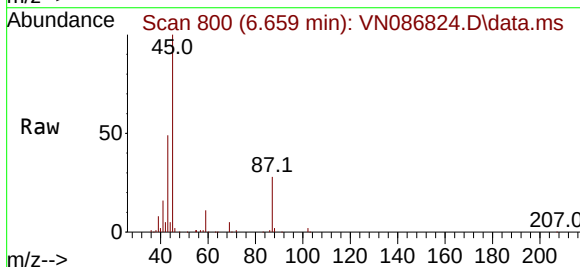
Ion Ratio Lower Upper

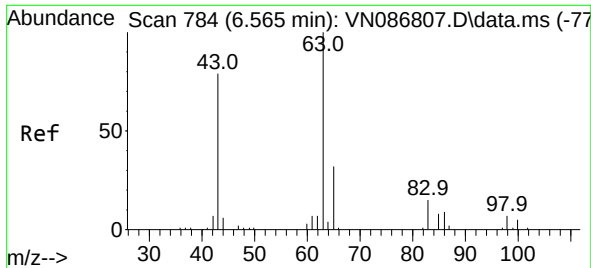
45 100

43 47.2 40.3 60.5

87 28.3 24.1 36.1

59 11.5 10.0 15.0

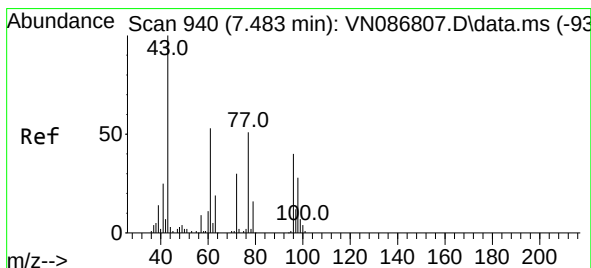
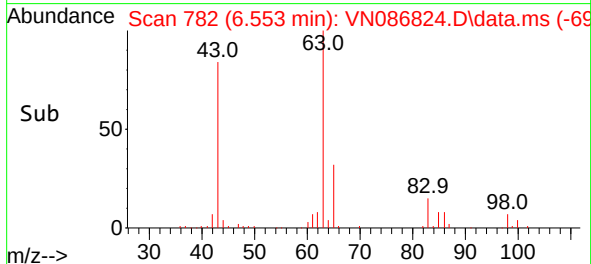
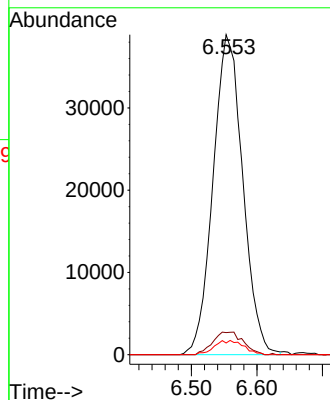
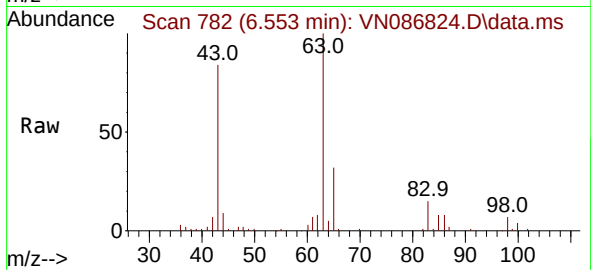




#21
1,1-Dichloroethane
Concen: 21.564 ug/l
RT: 6.553 min Scan# 71
Delta R.T. -0.012 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

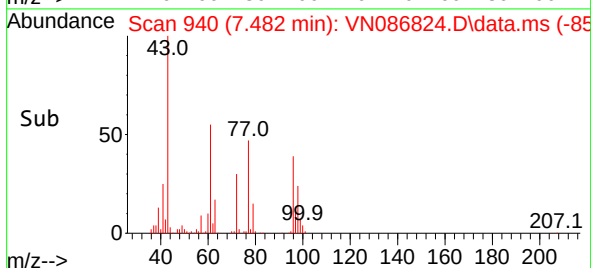
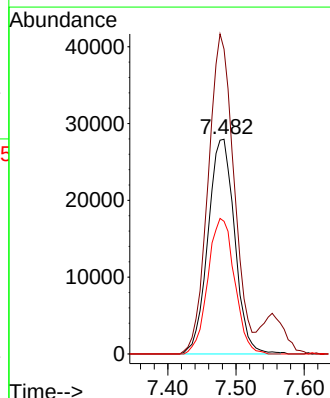
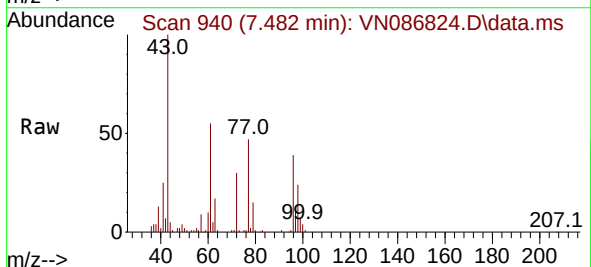
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

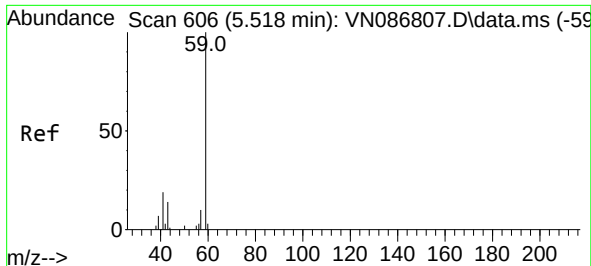
Tgt Ion: 63 Resp: 122336
Ion Ratio Lower Upper
63 100
98 6.9 3.8 11.2
100 3.7 2.3 6.8



#22
cis-1,2-Dichloroethene
Concen: 20.908 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 96 Resp: 76131
Ion Ratio Lower Upper
96 100
61 144.0 110.7 166.1
98 63.1 51.8 77.8

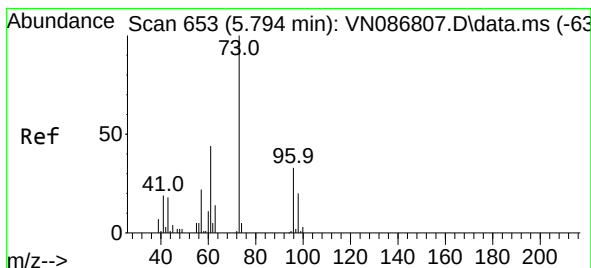
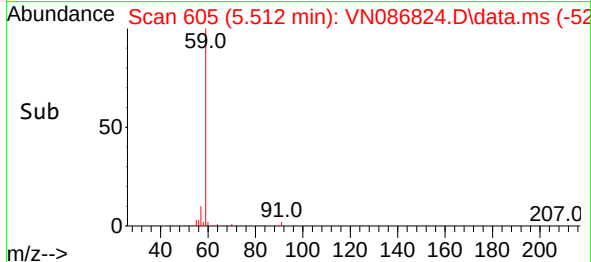
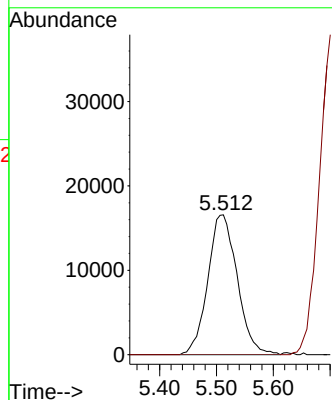
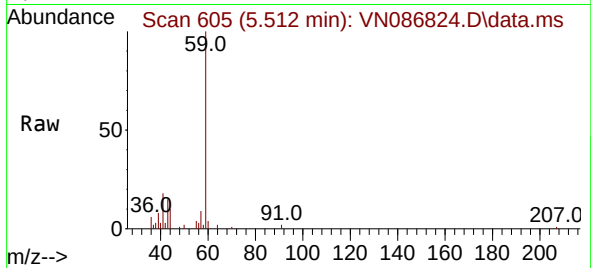




#23
tert-Butyl Alcohol
Concen: 124.935 ug/l
RT: 5.512 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

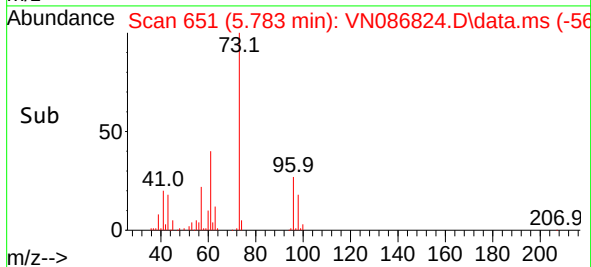
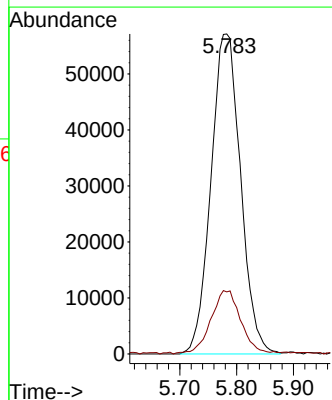
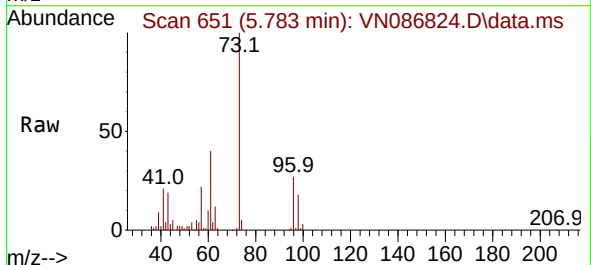
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

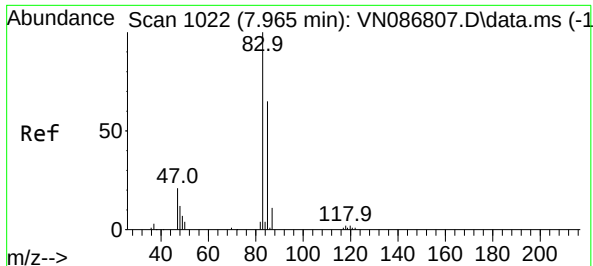
Tgt Ion: 59 Resp: 59572
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 21.869 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.012 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 73 Resp: 207080
Ion Ratio Lower Upper
73 100
43 20.0 14.6 22.0





#25

Chloroform

Concen: 20.993 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN086824.D

Acq: 29 May 2025 19:01

Instrument :

MSVOA_N

ClientSampleId :

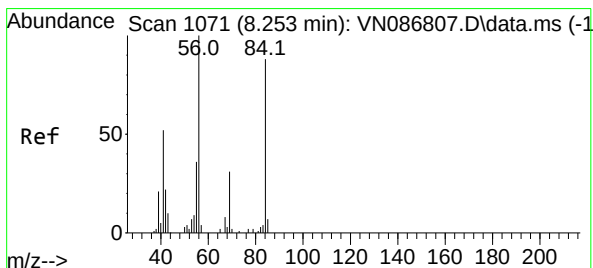
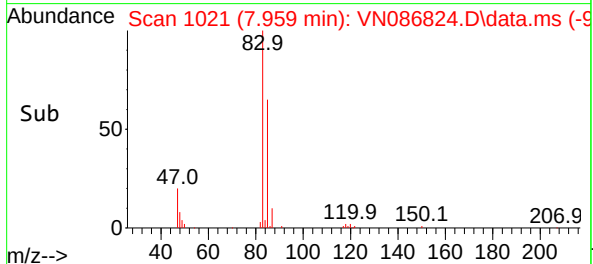
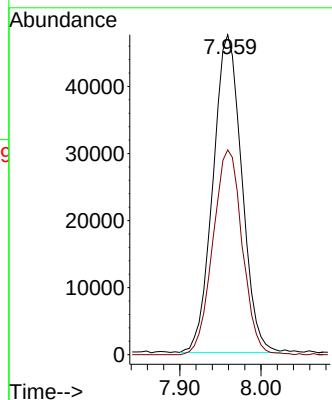
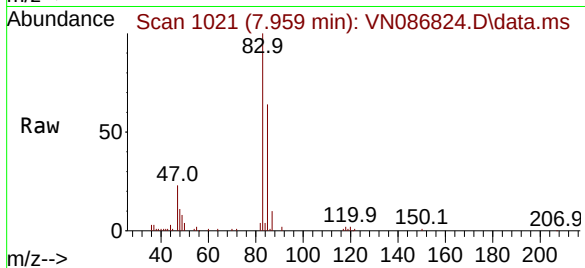
VSTDCCC020EC

Tgt Ion: 83 Resp: 116570

Ion Ratio Lower Upper

83 100

85 64.5 51.8 77.8



#26

Cyclohexane

Concen: 21.751 ug/l

RT: 8.247 min Scan# 1070

Delta R.T. -0.006 min

Lab File: VN086824.D

Acq: 29 May 2025 19:01

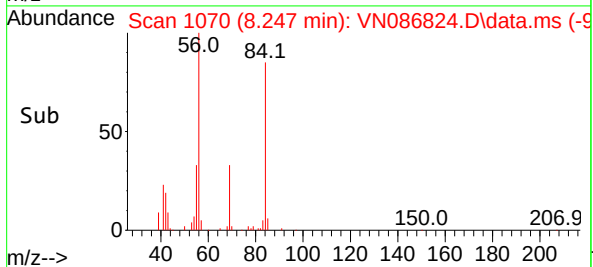
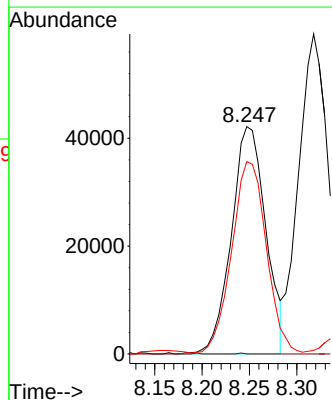
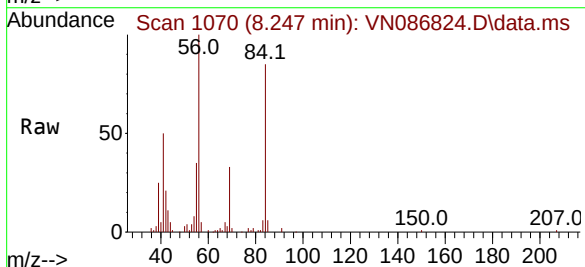
Tgt Ion: 56 Resp: 106797

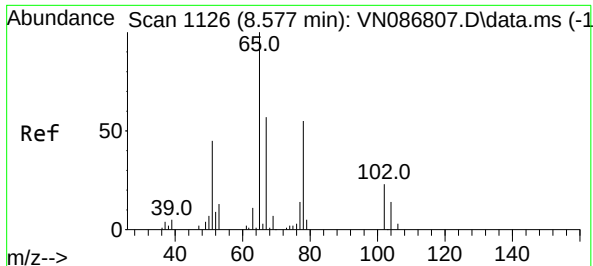
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 85.4 70.4 105.6

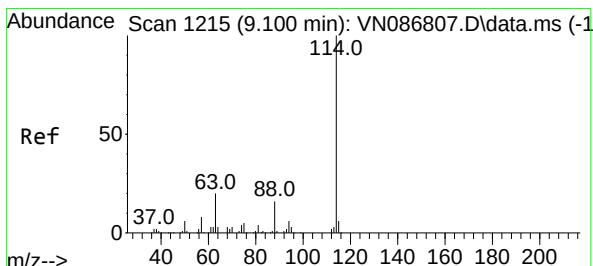
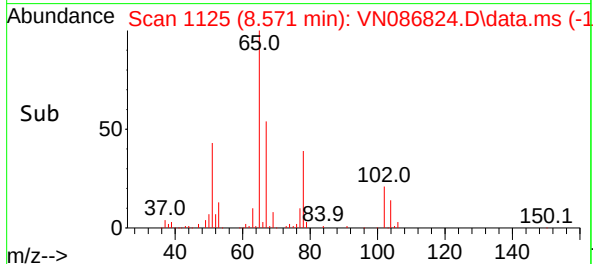
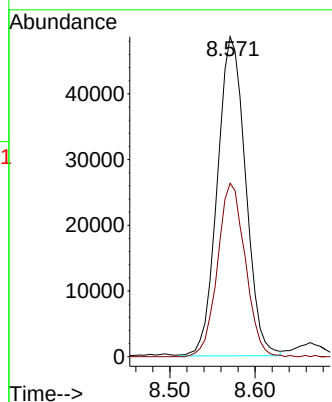
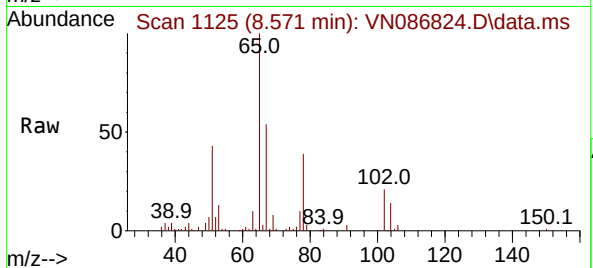




#27
 1,2-Dichloroethane-d4
 Concen: 33.352 ug/l
 RT: 8.571 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VN086824.D
 Acq: 29 May 2025 19:01

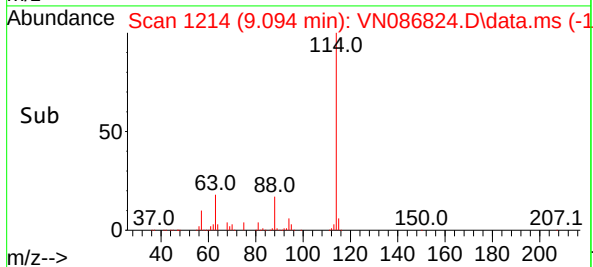
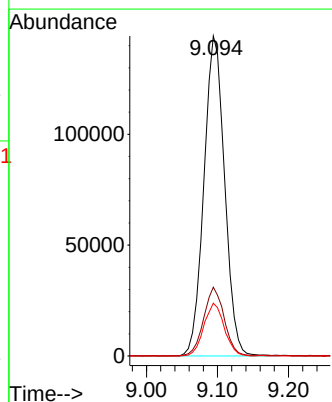
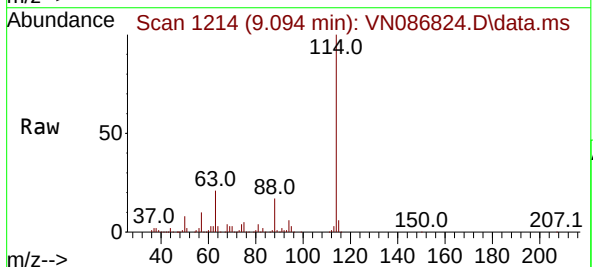
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

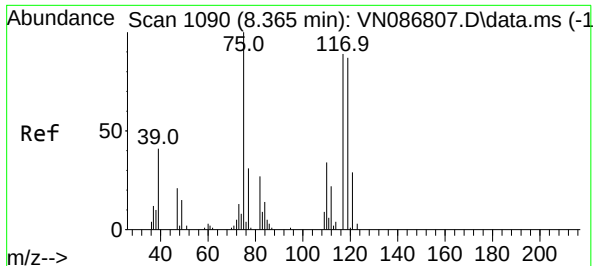
Tgt Ion: 65 Resp: 111641
 Ion Ratio Lower Upper
 65 100
 67 53.3 44.6 67.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.094 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: VN086824.D
 Acq: 29 May 2025 19:01

Tgt Ion: 114 Resp: 292995
 Ion Ratio Lower Upper
 114 100
 63 21.4 15.8 23.8
 88 16.2 12.9 19.3





#29

1,1-Dichloropropene

Concen: 19.499 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VN086824.D

Acq: 29 May 2025 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

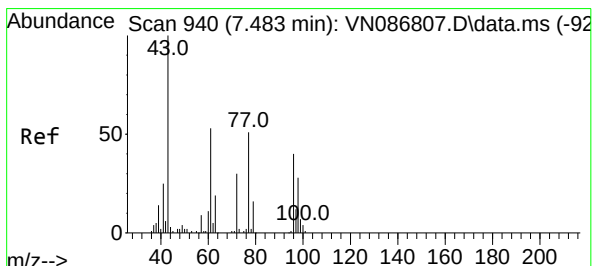
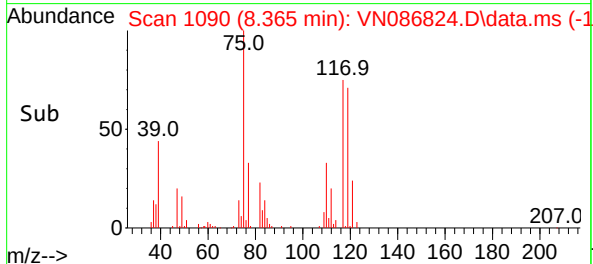
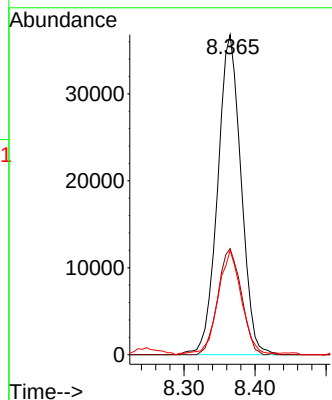
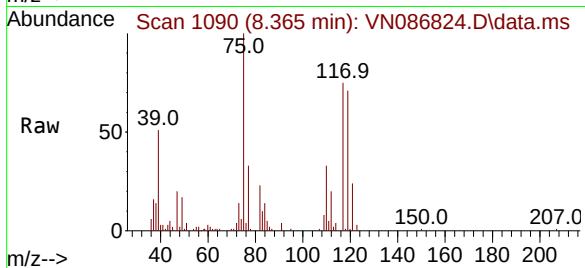
Tgt Ion: 75 Resp: 83999

Ion Ratio Lower Upper

75 100

110 33.3 0.0 71.0

77 32.9 0.0 62.4



#30

2-Butanone

Concen: 110.316 ug/l

RT: 7.471 min Scan# 938

Delta R.T. -0.012 min

Lab File: VN086824.D

Acq: 29 May 2025 19:01

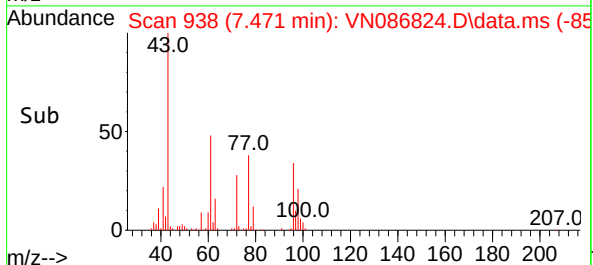
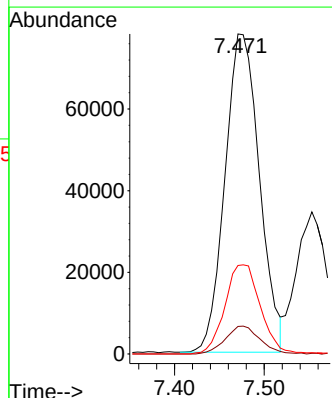
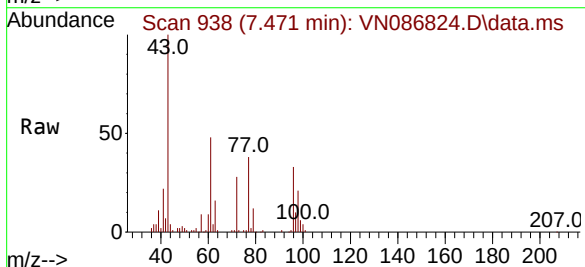
Tgt Ion: 43 Resp: 208221

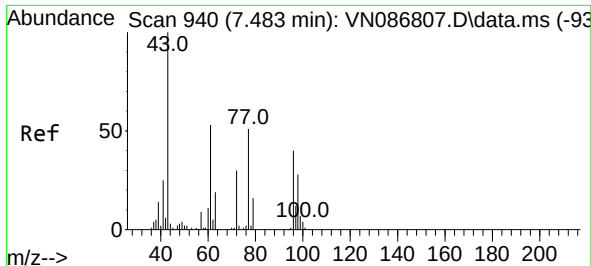
Ion Ratio Lower Upper

43 100

57 8.8 6.8 10.2

72 28.7 23.4 35.0





#31

2,2-Dichloropropane

Concen: 19.239 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086824.D

Acq: 29 May 2025 19:01

Instrument :

MSVOA_N

ClientSampleId :

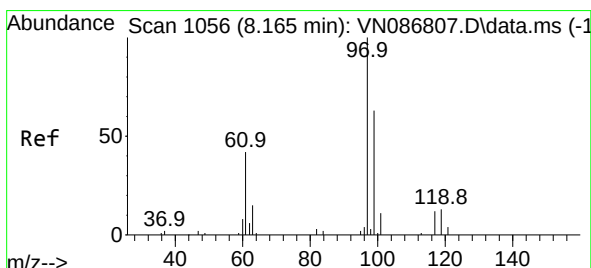
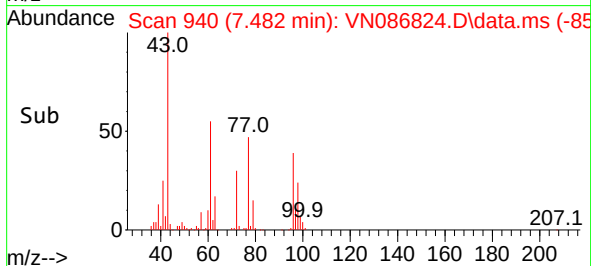
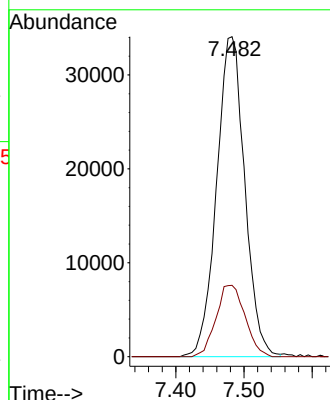
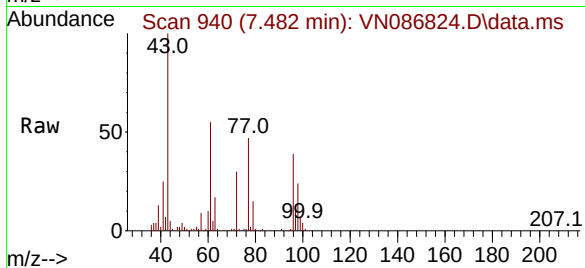
VSTDCCC020EC

Tgt Ion: 77 Resp: 97829

Ion Ratio Lower Upper

77 100

97 23.0 18.6 27.8



#32

1,1,1-Trichloroethane

Concen: 20.213 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086824.D

Acq: 29 May 2025 19:01

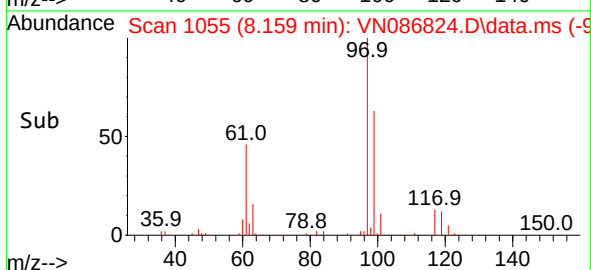
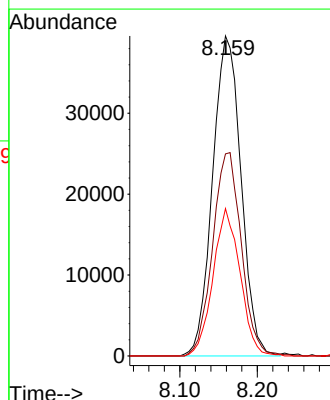
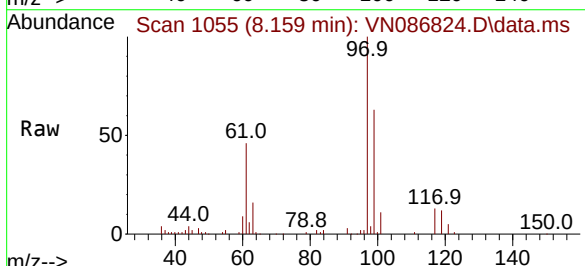
Tgt Ion: 97 Resp: 100940

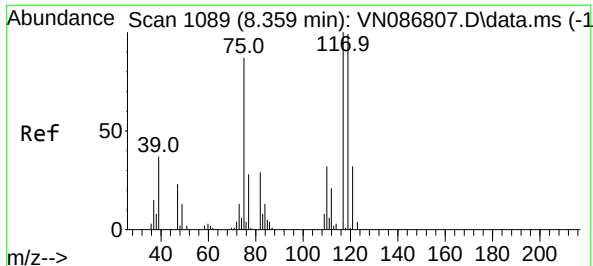
Ion Ratio Lower Upper

97 100

99 64.1 51.7 77.5

61 43.7 35.4 53.2

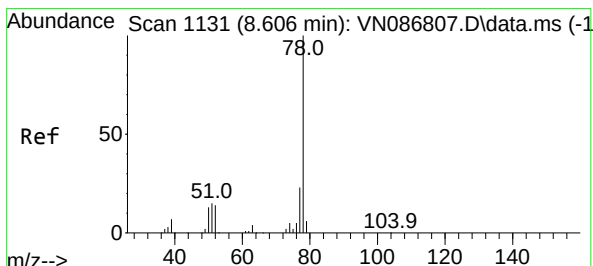
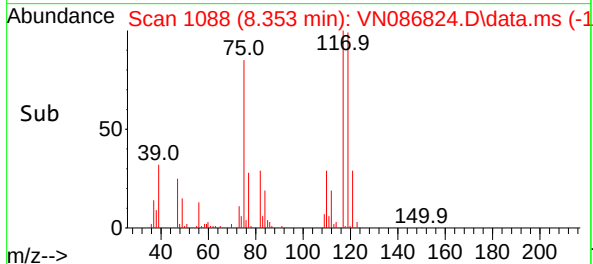
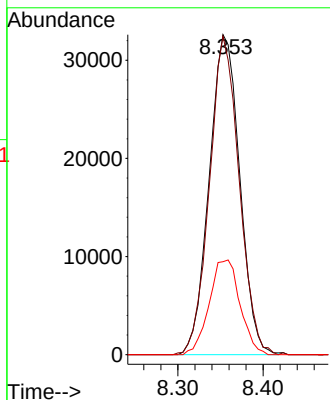
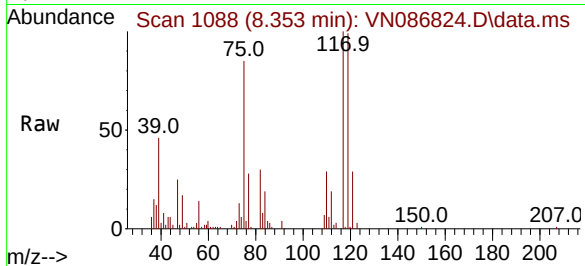




#33
Carbon Tetrachloride
Concen: 19.002 ug/l
RT: 8.353 min Scan# 1108
Delta R.T. -0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

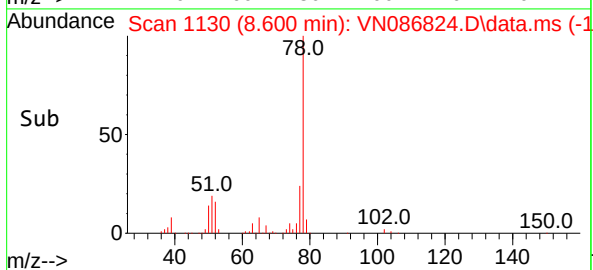
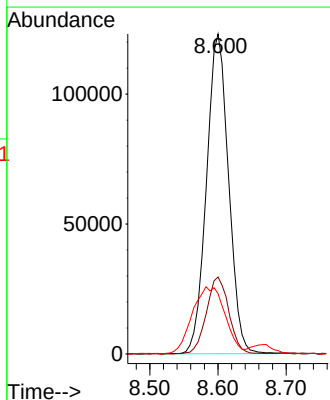
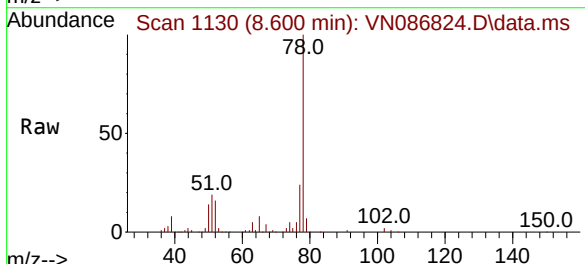
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

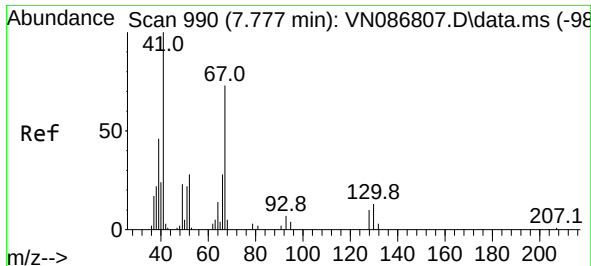
Tgt Ion:117 Resp: 81113
Ion Ratio Lower Upper
117 100
119 99.4 79.2 118.8
121 29.1 25.6 38.4



#34
Benzene
Concen: 19.769 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 78 Resp: 277095
Ion Ratio Lower Upper
78 100
77 23.9 18.2 27.2
51 17.9 11.9 17.9

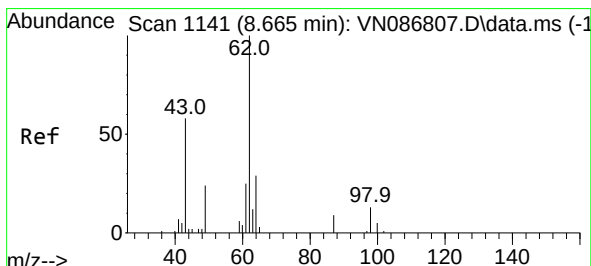
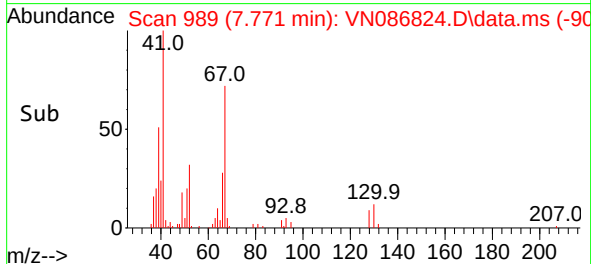
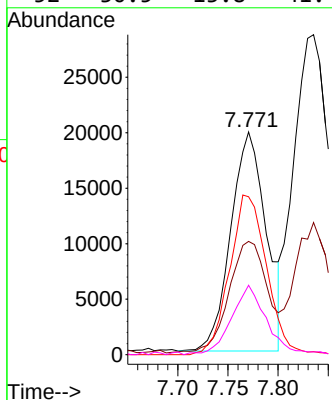
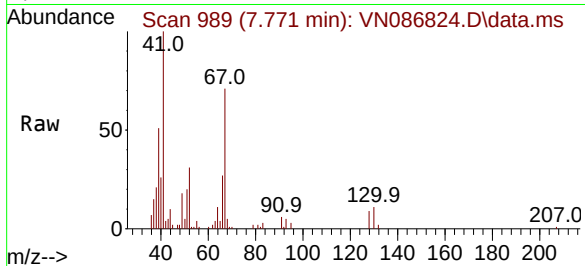




#35
Methacrylonitrile
Concen: 22.403 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

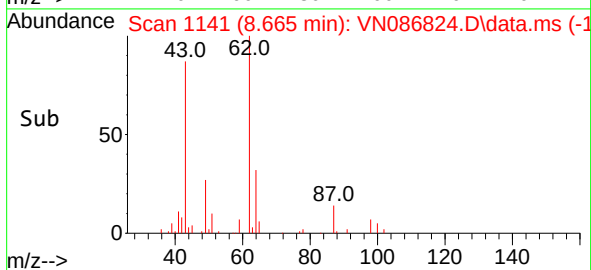
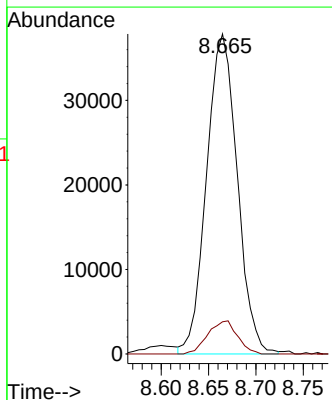
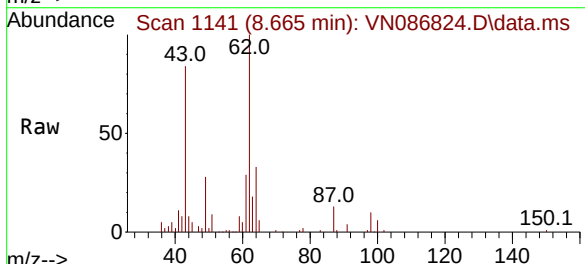
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

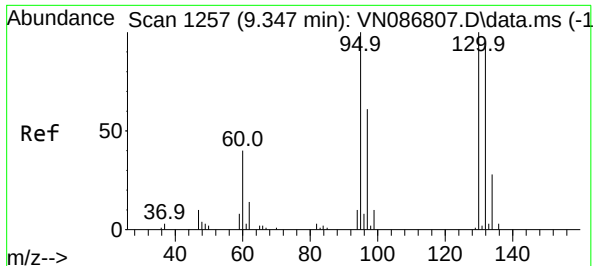
Tgt Ion: 41 Resp: 48573
Ion Ratio Lower Upper
41 100
39 50.4 23.2 69.6
67 72.0 36.5 109.7
52 30.5 13.8 41.4



#36
1,2-Dichloroethane
Concen: 20.778 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 62 Resp: 85344
Ion Ratio Lower Upper
62 100
98 10.0 8.5 12.7

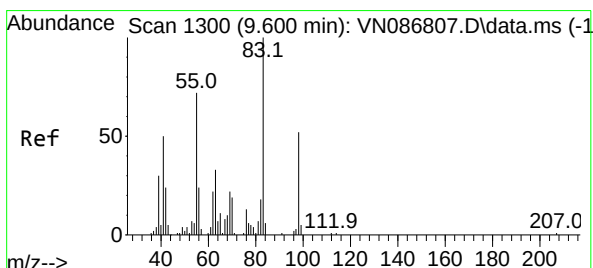
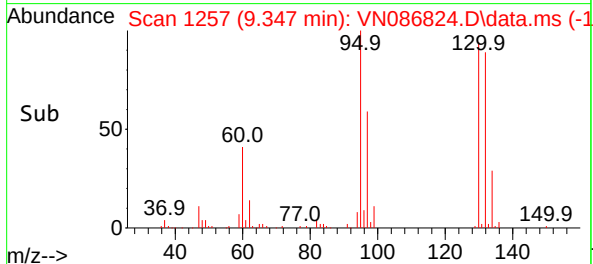
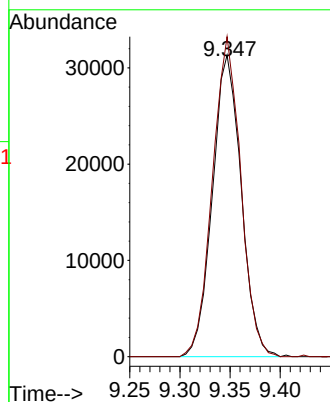
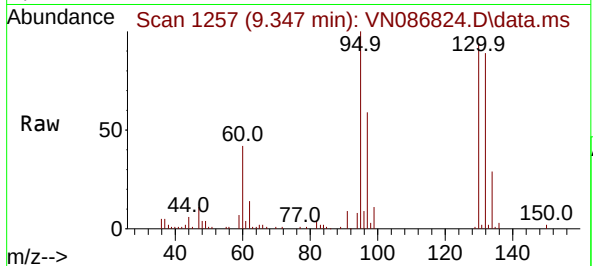




#37
Trichloroethene
Concen: 16.077 ug/l
RT: 9.347 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

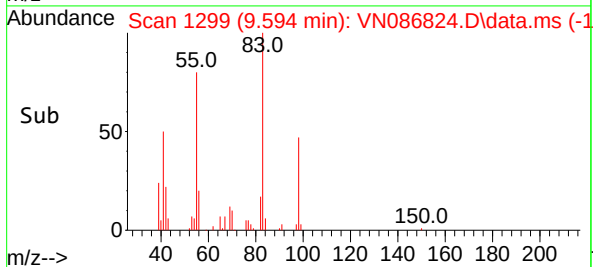
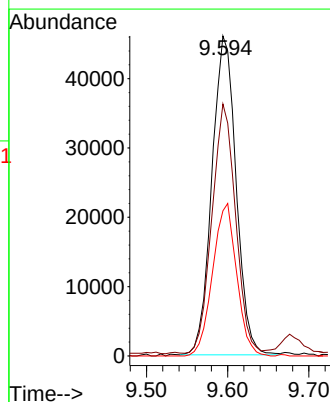
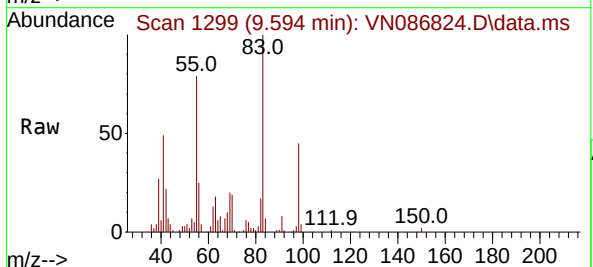
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

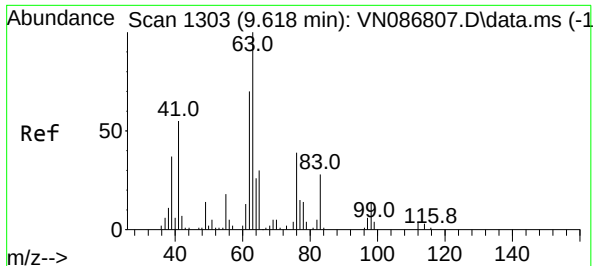
Tgt Ion:130 Resp: 62506
Ion Ratio Lower Upper
130 100
95 106.1 80.3 120.5



#38
Methylcyclohexane
Concen: 19.962 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 83 Resp: 95413
Ion Ratio Lower Upper
83 100
55 76.1 37.4 112.1
98 47.4 24.6 73.6





#39

1,2-Dichloropropane

Concen: 20.824 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086824.D

Acq: 29 May 2025 19:01

Instrument :

MSVOA_N

ClientSampleId :

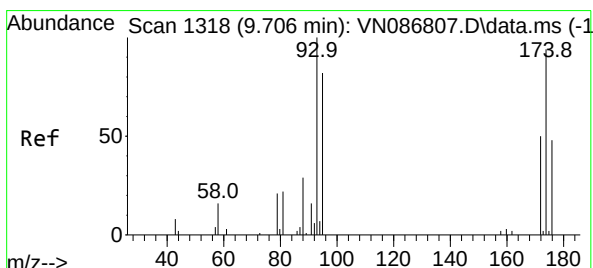
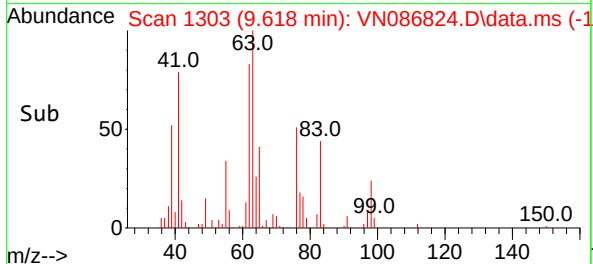
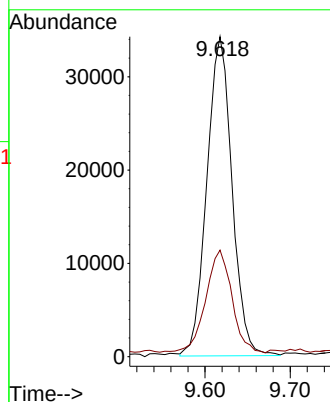
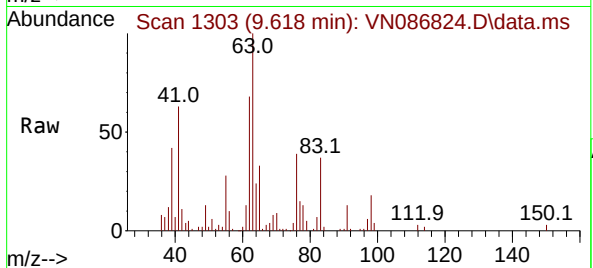
VSTDCCC020EC

Tgt Ion: 63 Resp: 70272

Ion Ratio Lower Upper

63 100

65 31.6 24.2 36.4



#40

Dibromomethane

Concen: 19.841 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086824.D

Acq: 29 May 2025 19:01

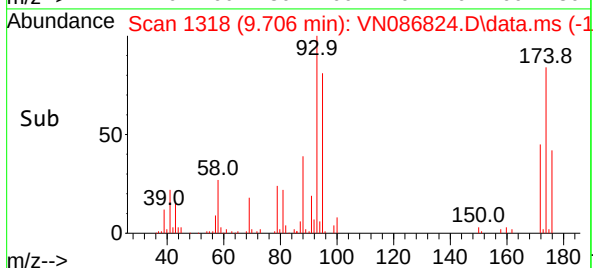
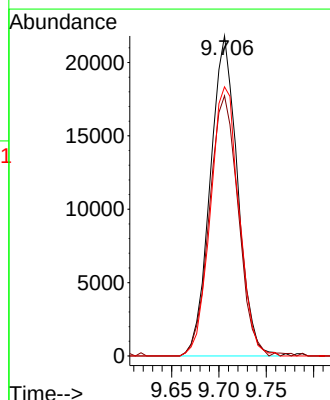
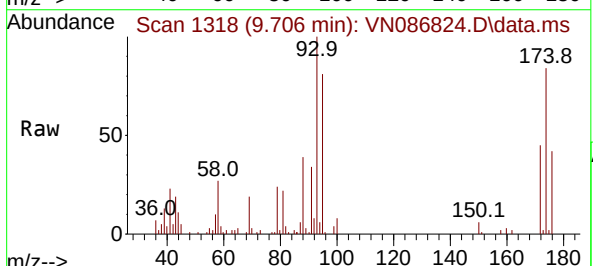
Tgt Ion: 93 Resp: 43791

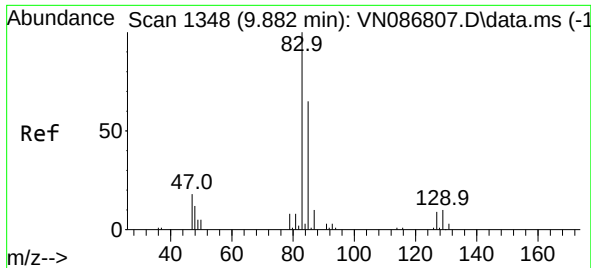
Ion Ratio Lower Upper

93 100

95 85.5 0.0 166.4

174 87.6 0.0 181.8

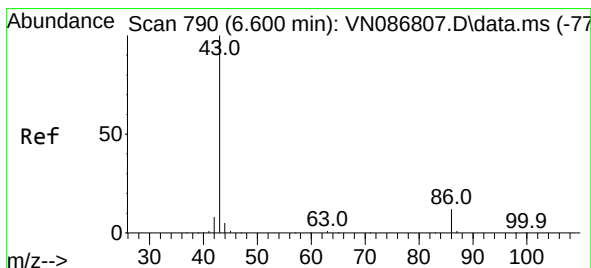
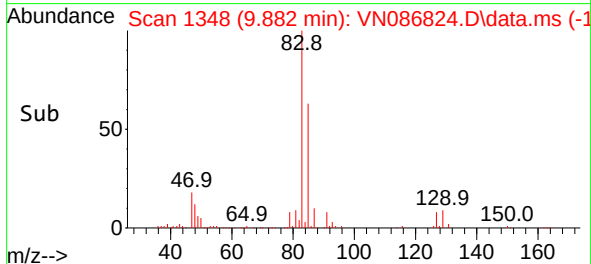
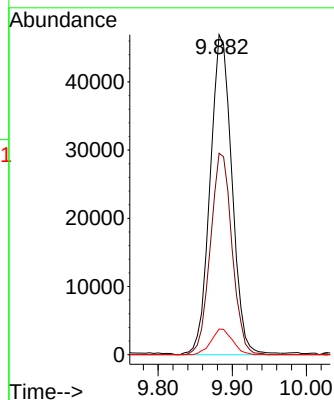
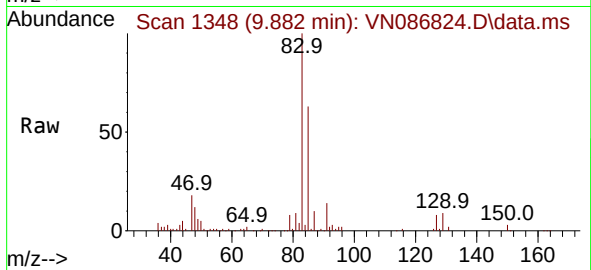




#41
Bromodichloromethane
Concen: 20.781 ug/l
RT: 9.882 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

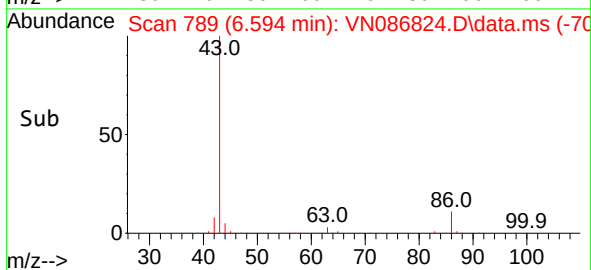
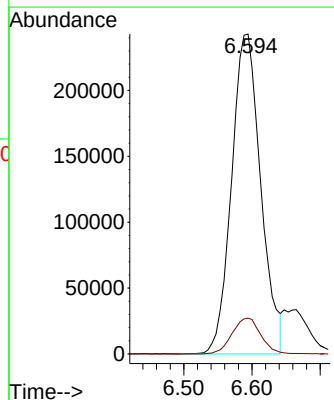
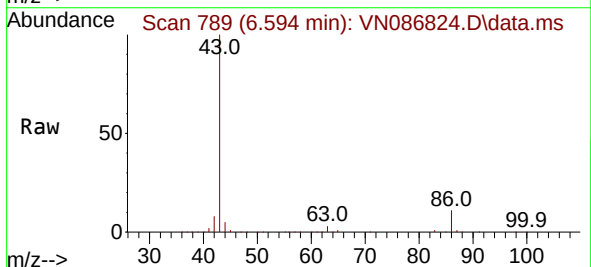
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

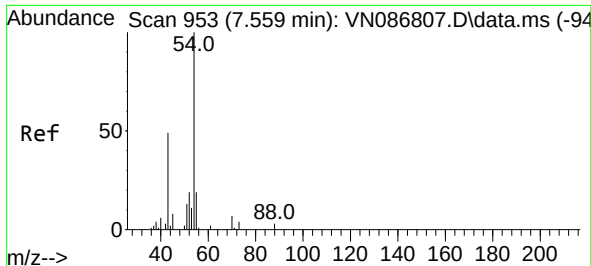
Tgt Ion: 83 Resp: 96008
Ion Ratio Lower Upper
83 100
85 62.9 51.8 77.8
127 8.0 6.8 10.2



#42
Vinyl Acetate
Concen: 131.346 ug/l
RT: 6.594 min Scan# 789
Delta R.T. -0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 43 Resp: 722649
Ion Ratio Lower Upper
43 100
86 11.0 9.5 14.3

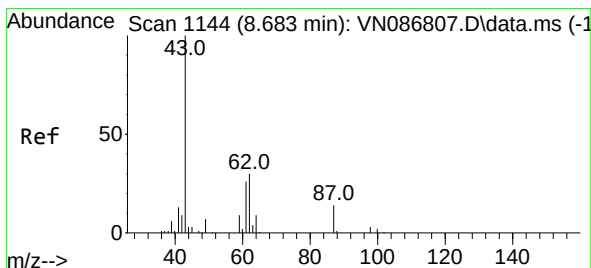
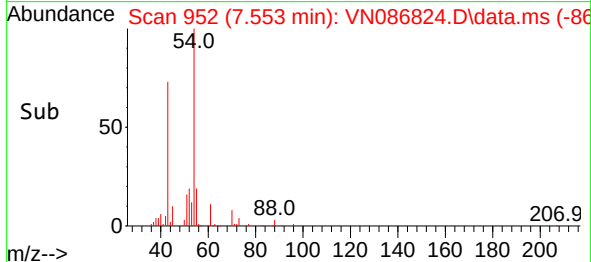
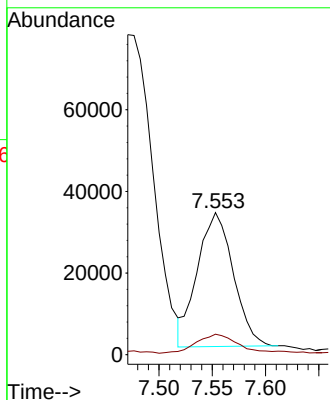
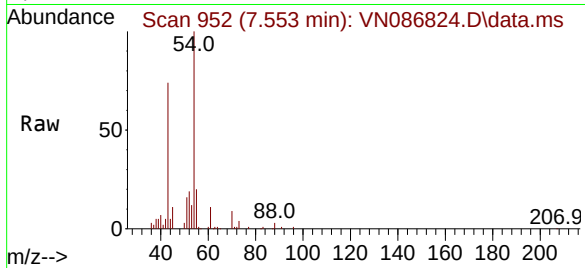




#43
Ethyl Acetate
Concen: 19.943 ug/l
RT: 7.553 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

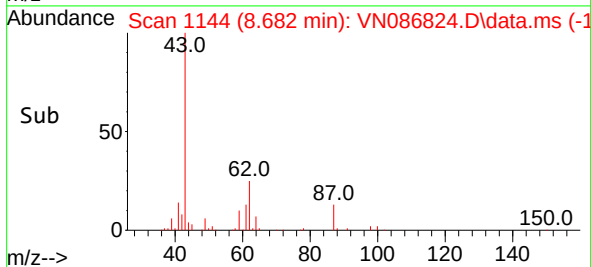
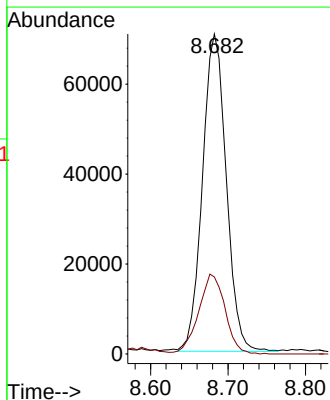
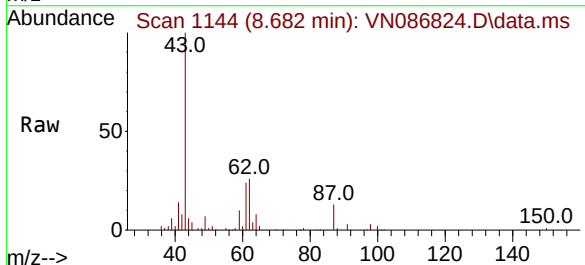
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

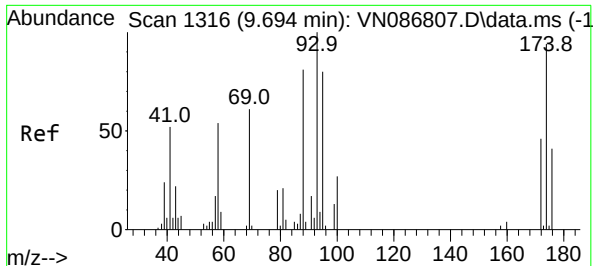
Tgt Ion: 43 Resp: 77027
Ion Ratio Lower Upper
43 100
45 15.9 11.1 16.7



#44
Isopropyl Acetate
Concen: 22.717 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 43 Resp: 150513
Ion Ratio Lower Upper
43 100
61 28.0 23.8 35.6

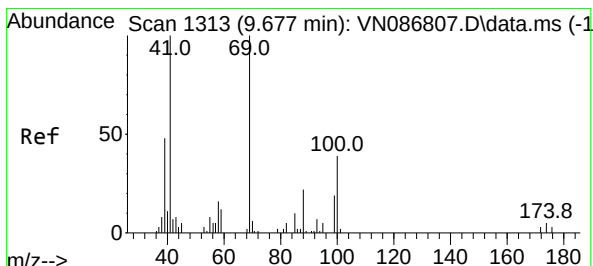
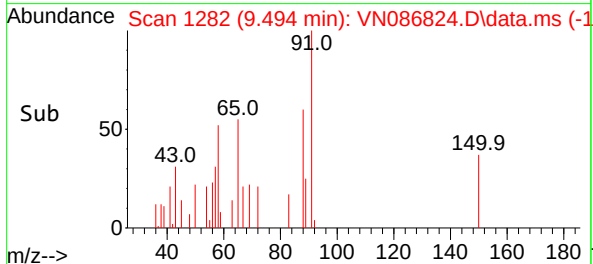
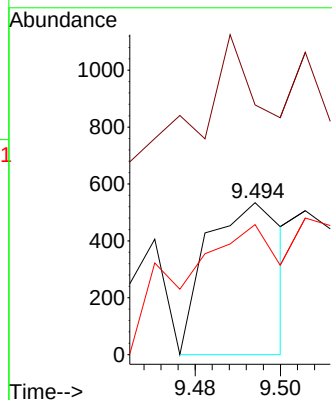
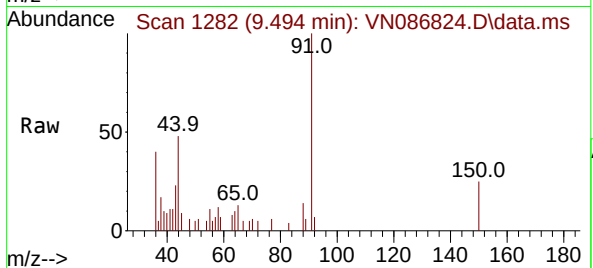




#45
1,4-Dioxane
Concen: 11.174 ug/l
RT: 9.494 min Scan# 11
Delta R.T. -0.200 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

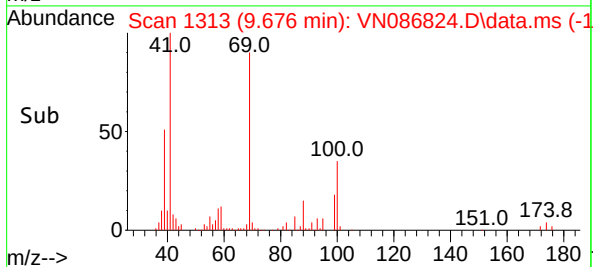
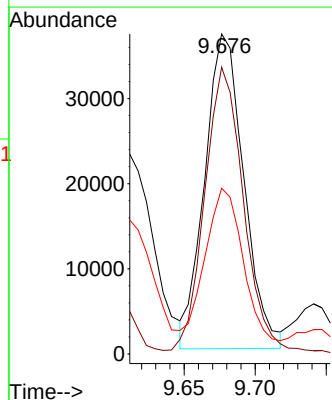
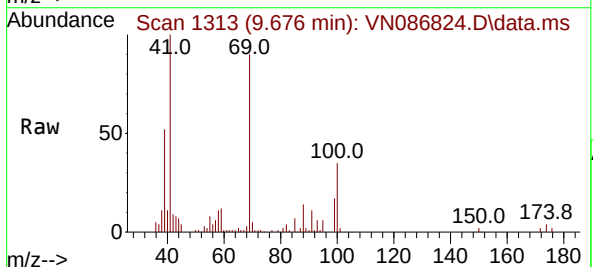
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

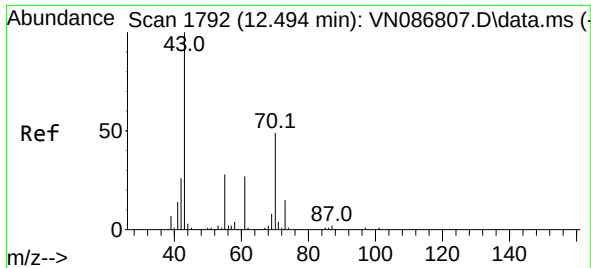
Tgt Ion: 88 Resp: 658
Ion Ratio Lower Upper
88 100
43 29.9 23.0 34.6
58 81.2 57.6 86.4



#46
Methyl methacrylate
Concen: 23.152 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 41 Resp: 70728
Ion Ratio Lower Upper
41 100
69 92.8 48.0 144.2
39 51.1 23.8 71.2

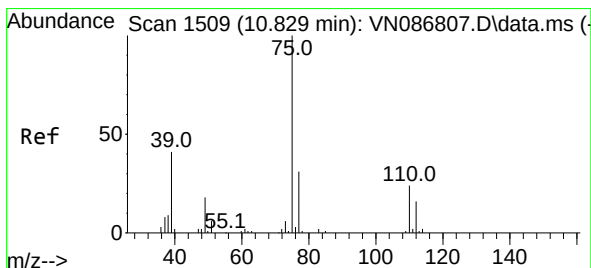
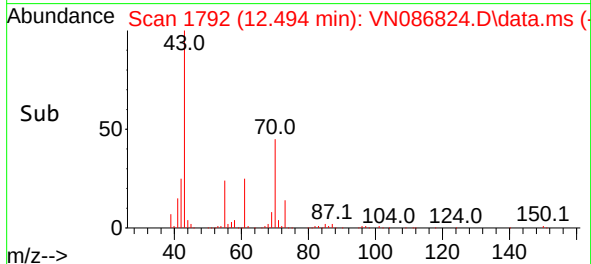
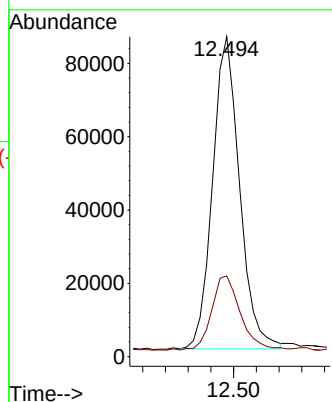
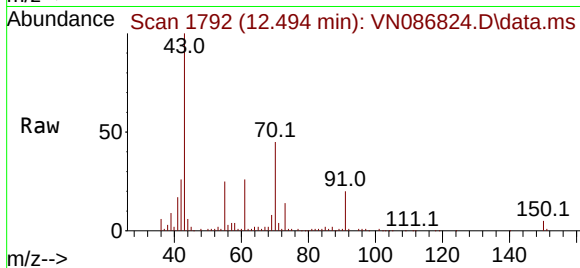




#47
n-amy1 Acetate
Concen: 26.413 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

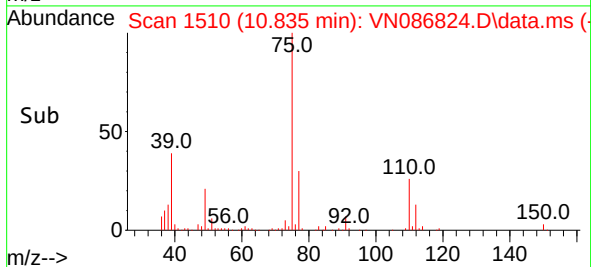
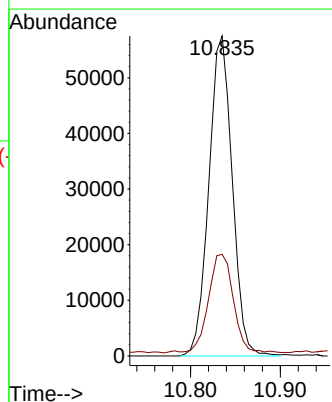
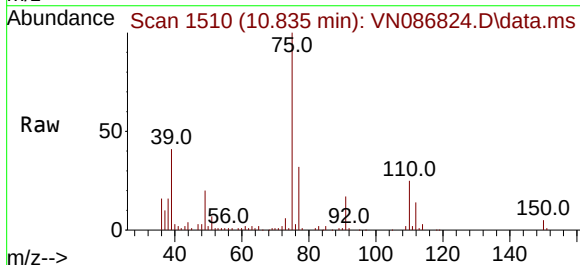
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

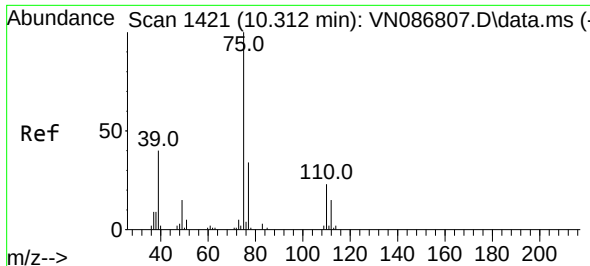
Tgt Ion: 43 Resp: 140489
Ion Ratio Lower Upper
43 100
55 25.3 21.7 32.5



#48
t-1,3-Dichloropropene
Concen: 21.075 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 75 Resp: 104190
Ion Ratio Lower Upper
75 100
77 30.7 25.1 37.7

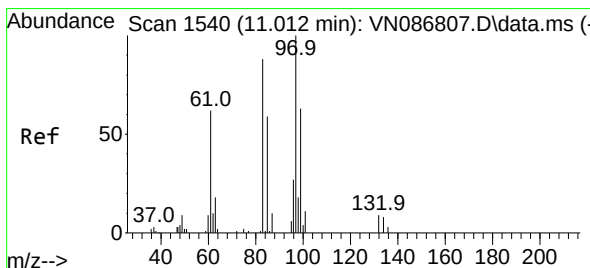
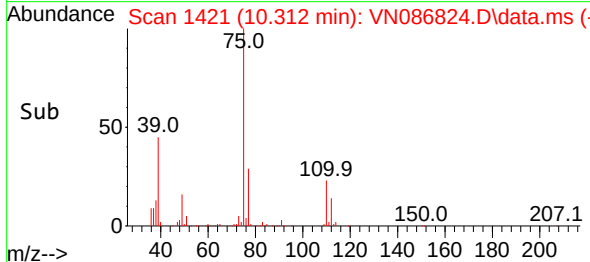
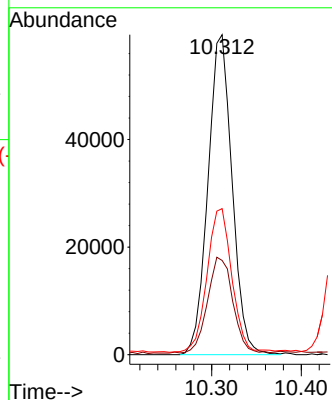
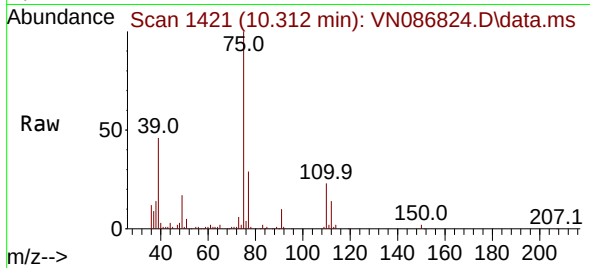




#49
 cis-1,3-Dichloropropene
 Concen: 20.444 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. -0.000 min
 Lab File: VN086824.D
 Acq: 29 May 2025 19:01

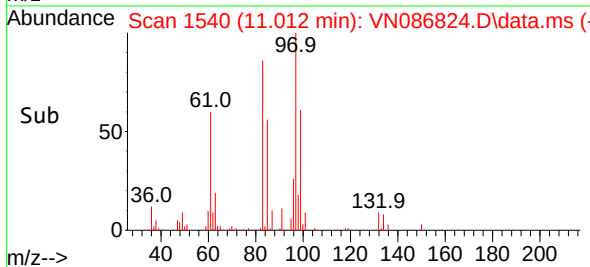
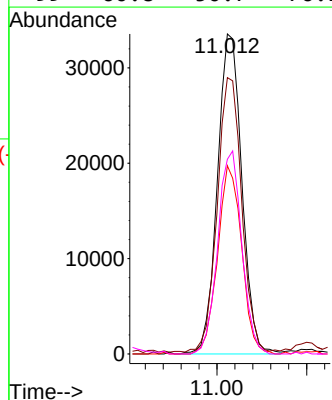
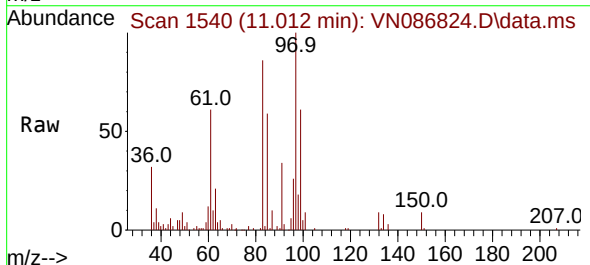
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

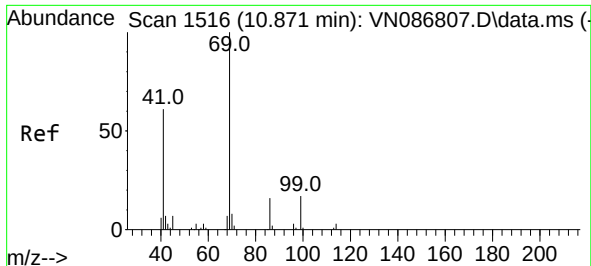
Tgt Ion: 75 Resp: 111170
 Ion Ratio Lower Upper
 75 100
 77 28.9 26.9 40.3
 39 44.7 31.8 47.6



#50
 1,1,2-Trichloroethane
 Concen: 20.423 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. -0.000 min
 Lab File: VN086824.D
 Acq: 29 May 2025 19:01

Tgt Ion: 97 Resp: 63484
 Ion Ratio Lower Upper
 97 100
 83 85.5 70.6 105.8
 85 58.8 46.8 70.2
 99 60.8 50.7 76.1

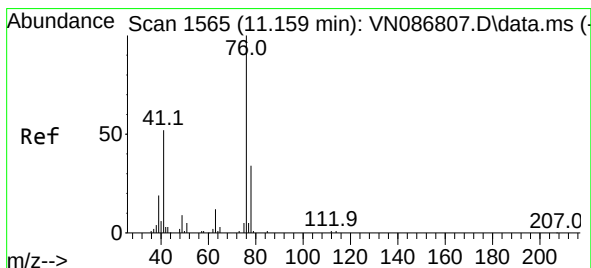
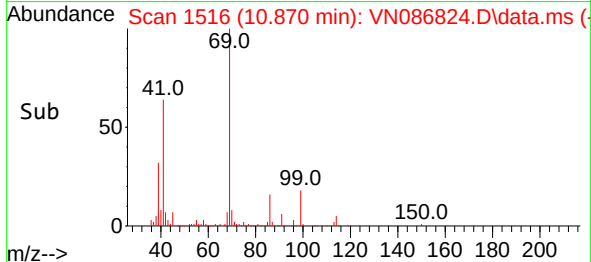
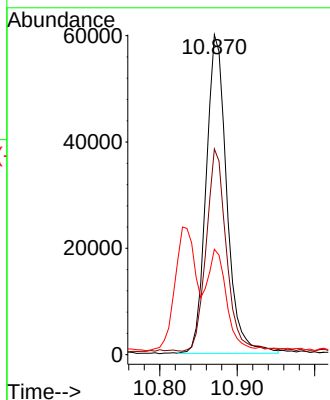
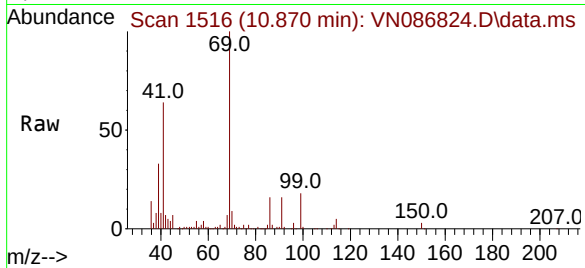




#51
Ethyl methacrylate
Concen: 22.049 ug/l
RT: 10.870 min Scan# 111002
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

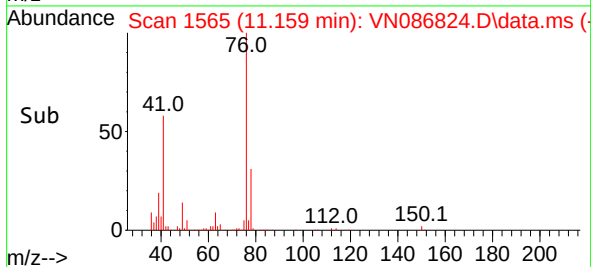
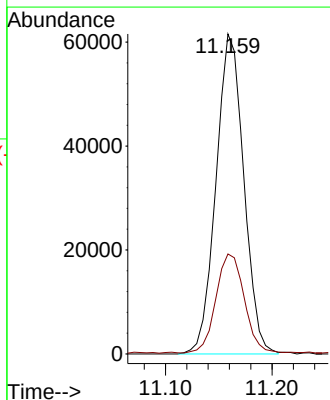
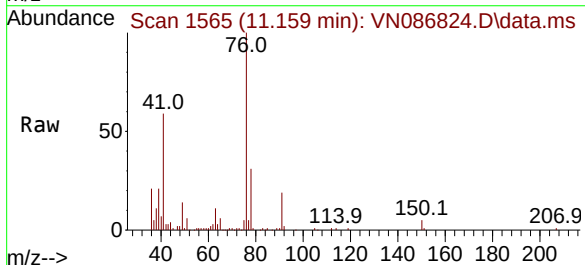
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

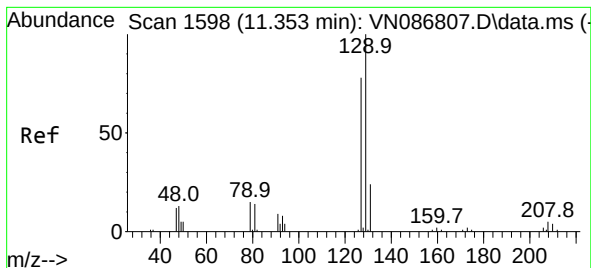
Tgt Ion: 69 Resp: 111002
Ion Ratio Lower Upper
69 100
41 63.4 30.5 91.5
39 31.1 14.3 42.9



#52
1,3-Dichloropropane
Concen: 20.188 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 76 Resp: 111369
Ion Ratio Lower Upper
76 100
78 31.9 0.0 64.6

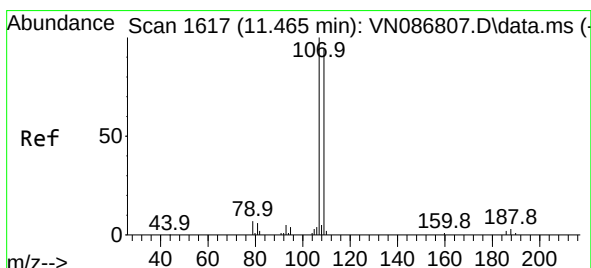
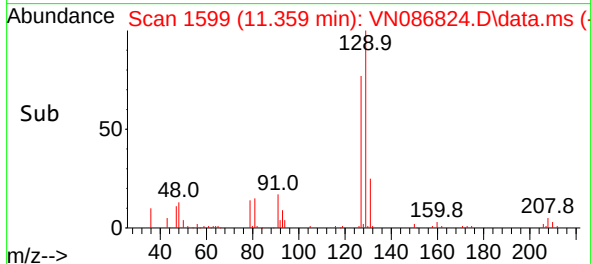
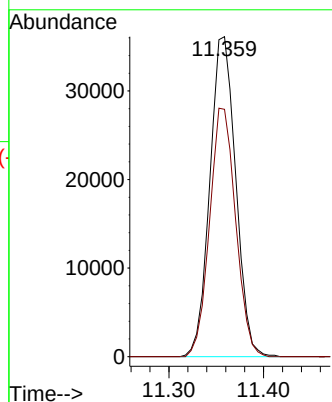
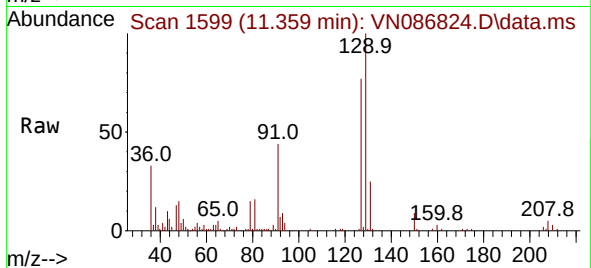




#53
Dibromochloromethane
Concen: 19.551 ug/l
RT: 11.359 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

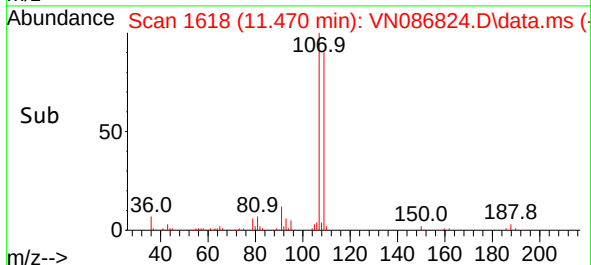
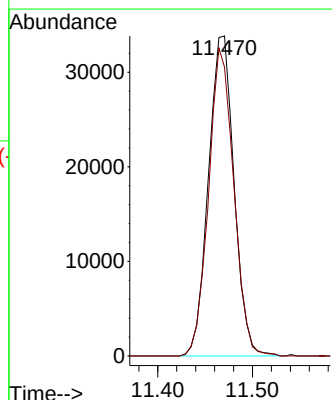
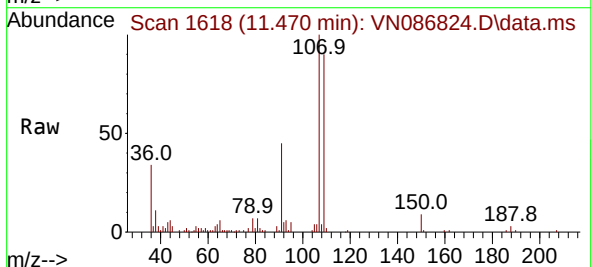
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

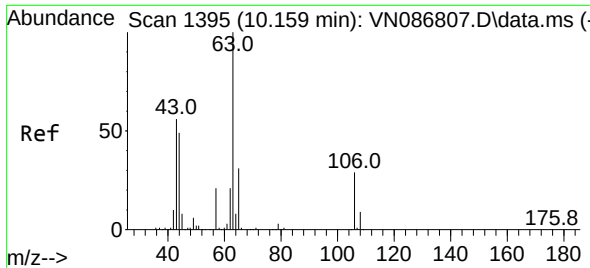
Tgt Ion:129 Resp: 68678
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.3



#54
1,2-Dibromoethane
Concen: 20.030 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion:107 Resp: 63645
Ion Ratio Lower Upper
107 100
109 94.3 75.0 112.6

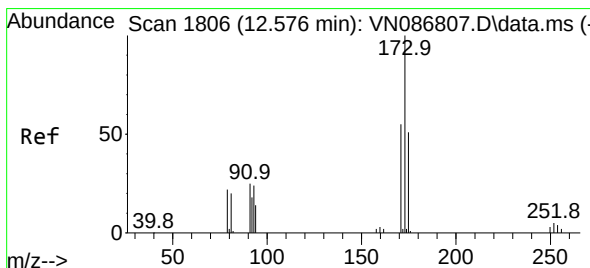
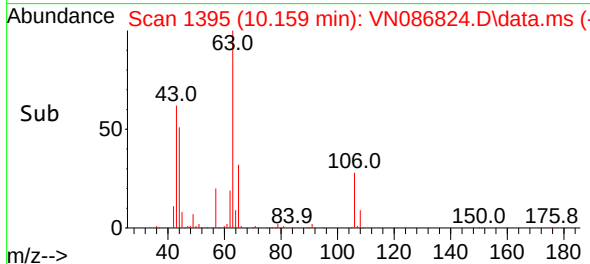
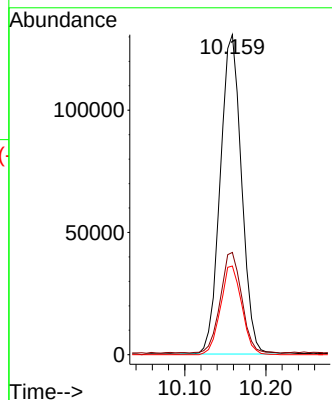
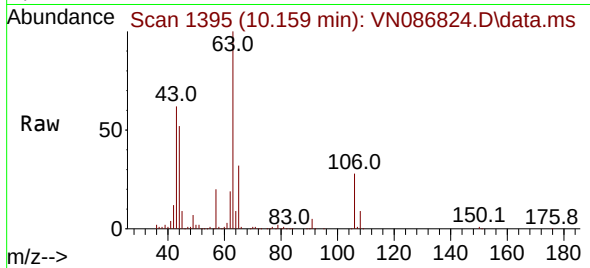




#55
2-Chloroethyl vinyl ether
Concen: 98.771 ug/l
RT: 10.159 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

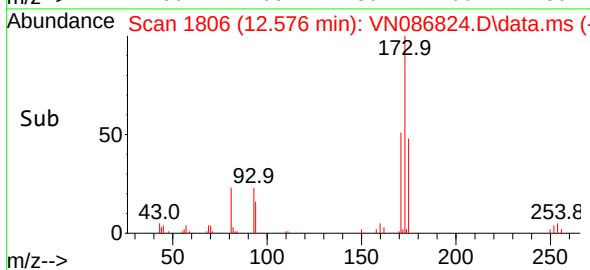
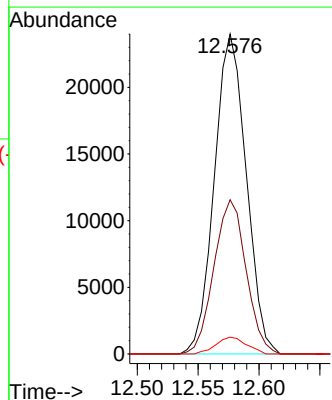
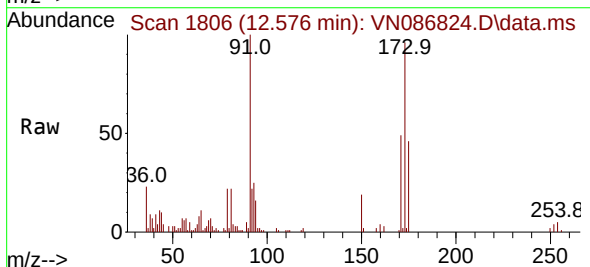
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

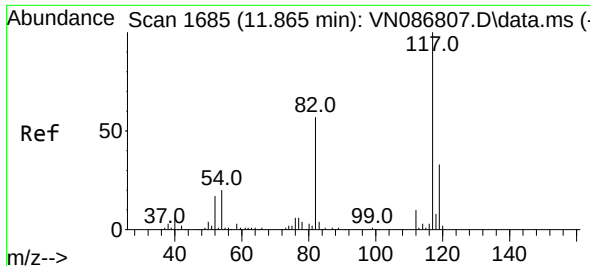
Tgt Ion: 63 Resp: 238687
Ion Ratio Lower Upper
63 100
65 31.6 25.7 38.5
106 27.7 22.7 34.1



#56
Bromoform
Concen: 19.742 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 173 Resp: 43696
Ion Ratio Lower Upper
173 100
175 48.6 39.7 59.5
254 5.1 3.5 5.3

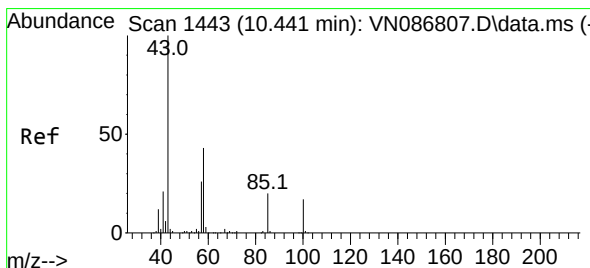
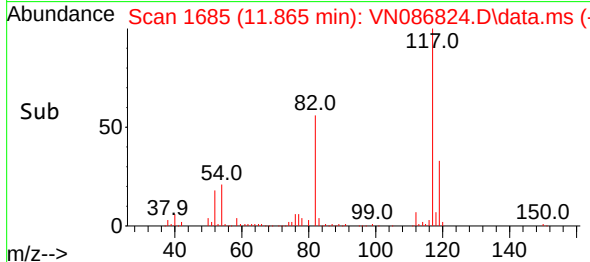
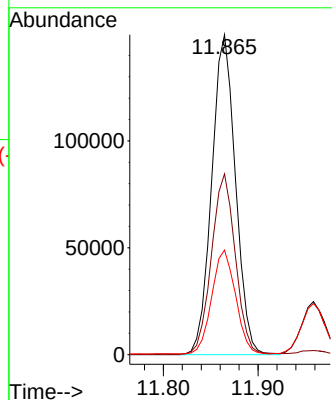
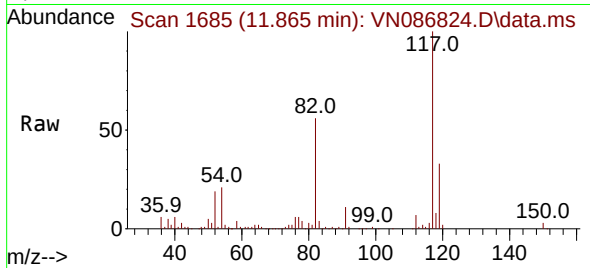




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

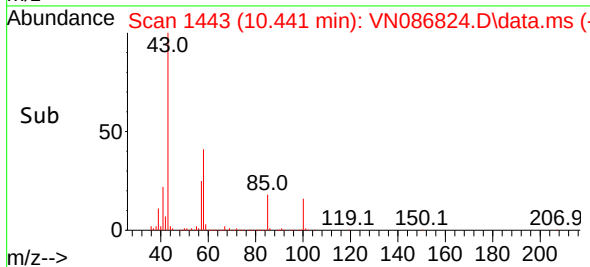
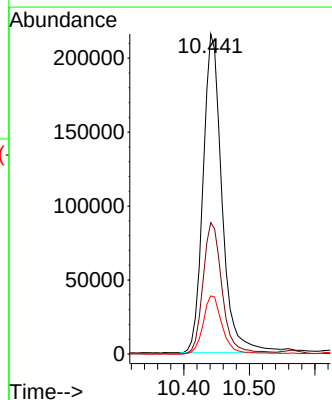
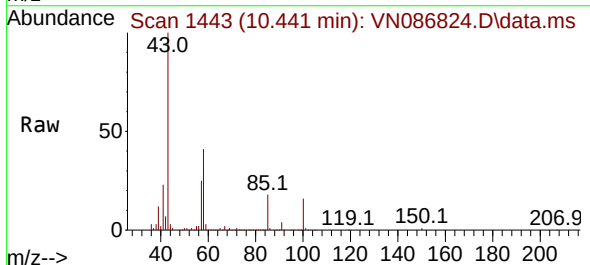
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

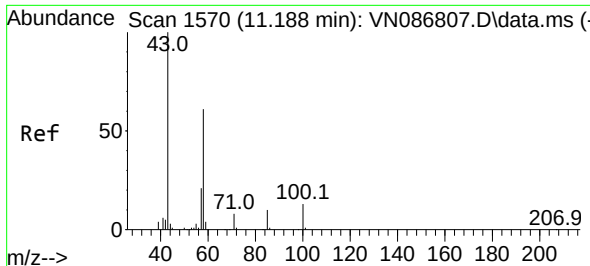
Tgt Ion:117 Resp: 261399
Ion Ratio Lower Upper
117 100
82 56.3 44.7 67.1
119 32.5 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 112.876 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 43 Resp: 432945
Ion Ratio Lower Upper
43 100
58 41.9 34.5 51.7
85 18.4 15.8 23.8

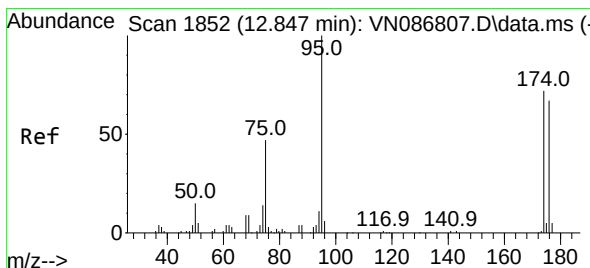
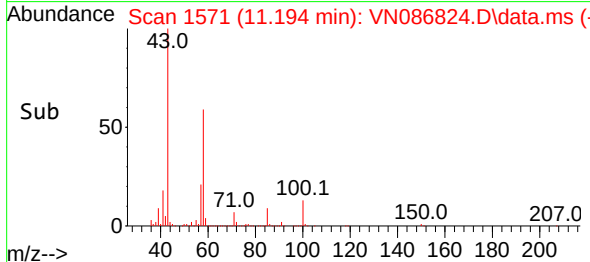
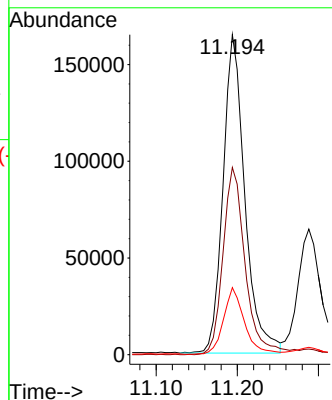
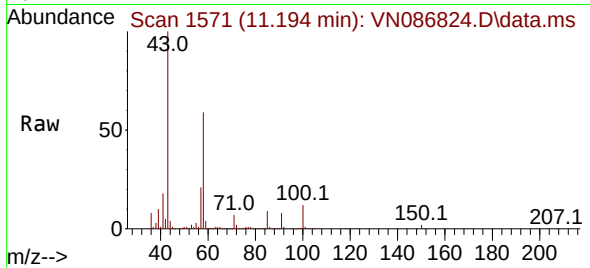




#59
2-Hexanone
Concen: 111.937 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

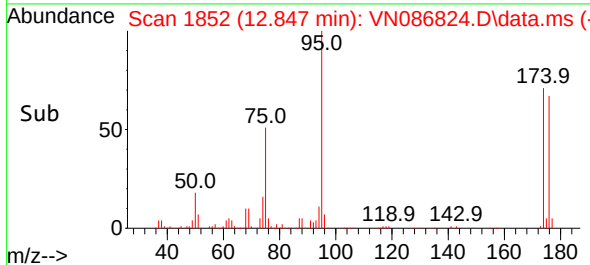
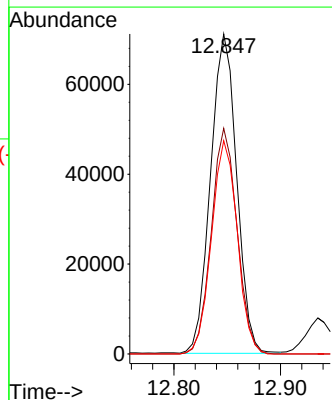
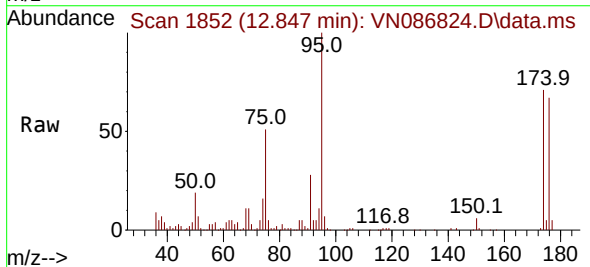
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

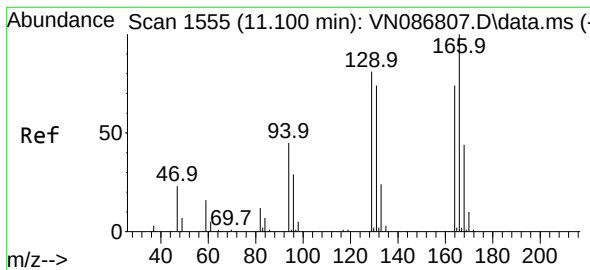
Tgt Ion: 43 Resp: 307543
Ion Ratio Lower Upper
43 100
58 59.8 49.1 73.7
57 20.0 16.6 25.0



#60
4-Bromofluorobenzene
Concen: 29.490 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 95 Resp: 121026
Ion Ratio Lower Upper
95 100
174 69.4 56.2 84.4
176 65.8 53.4 80.0

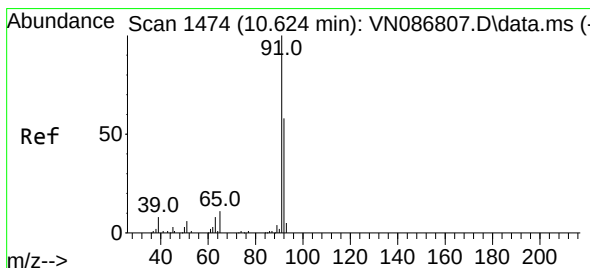
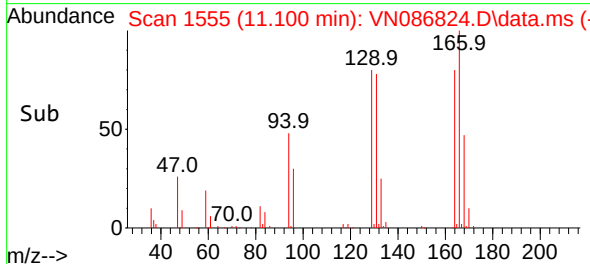
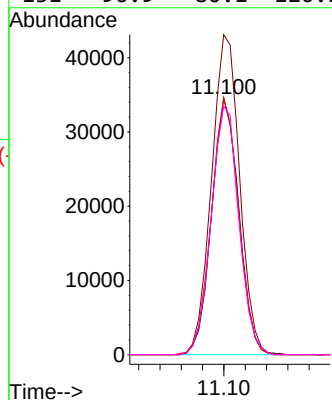
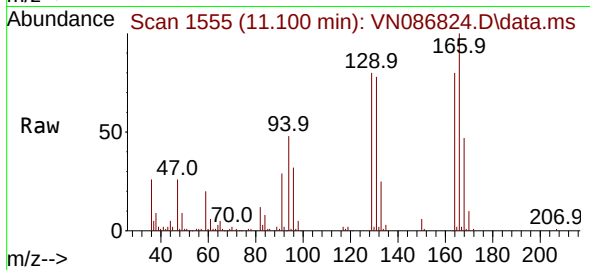




#61
Tetrachloroethene
Concen: 13.905 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

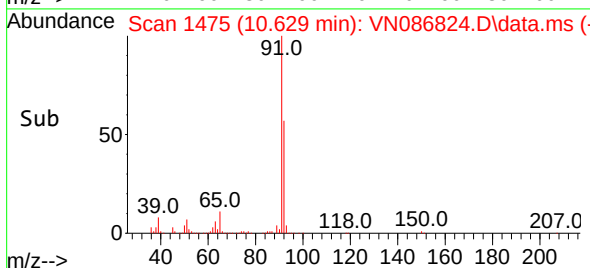
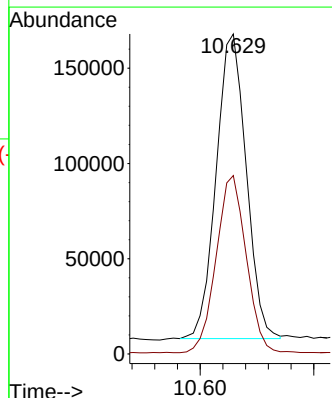
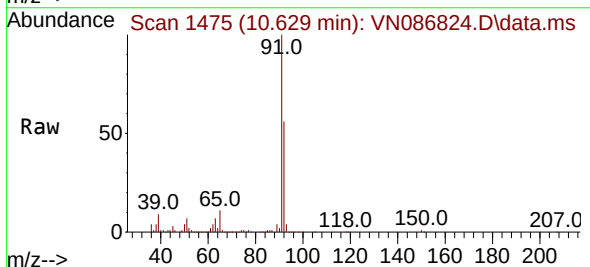
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

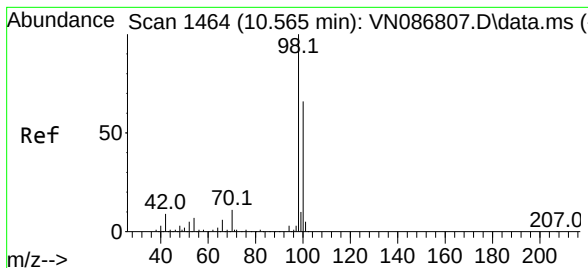
Tgt Ion:164 Resp: 61097
Ion Ratio Lower Upper
164 100
166 124.9 107.5 161.3
129 100.3 87.4 131.2
131 96.9 80.1 120.1



#62
Toluene
Concen: 19.918 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 91 Resp: 293230
Ion Ratio Lower Upper
91 100
92 58.0 46.6 70.0





#63

Toluene-d8

Concen: 29.870 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086824.D

Acq: 29 May 2025 19:01

Instrument :

MSVOA_N

ClientSampleId :

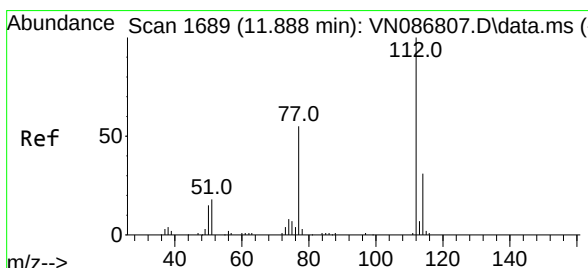
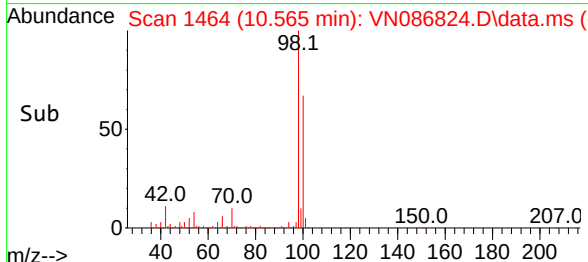
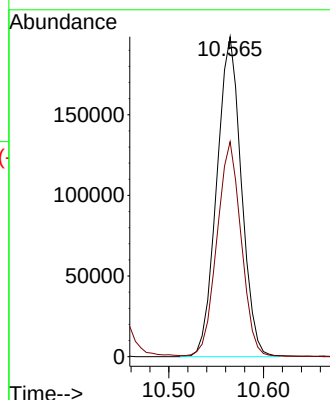
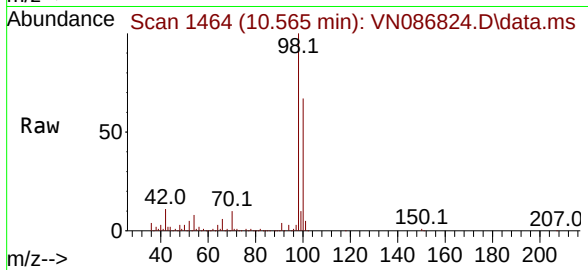
VSTDCCC020EC

Tgt Ion: 98 Resp: 358373

Ion Ratio Lower Upper

98 100

100 65.9 52.7 79.1



#64

Chlorobenzene

Concen: 19.285 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. -0.000 min

Lab File: VN086824.D

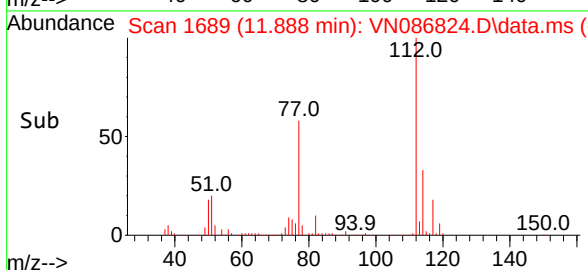
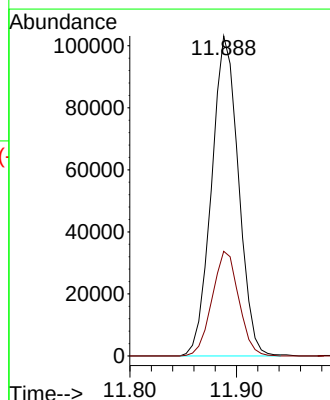
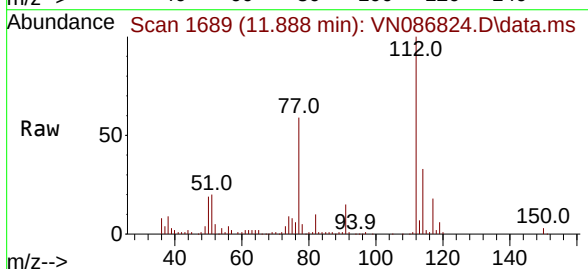
Acq: 29 May 2025 19:01

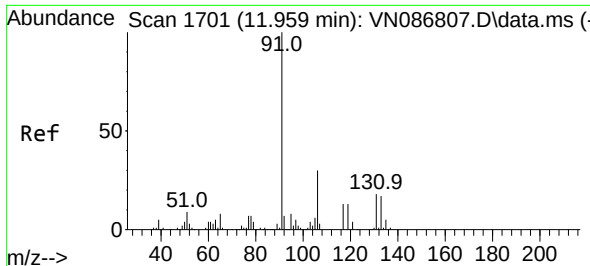
Tgt Ion: 112 Resp: 181063

Ion Ratio Lower Upper

112 100

114 32.7 25.1 37.7

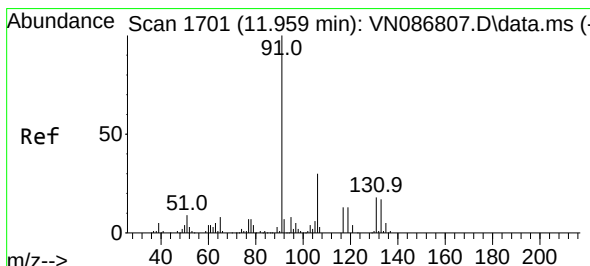
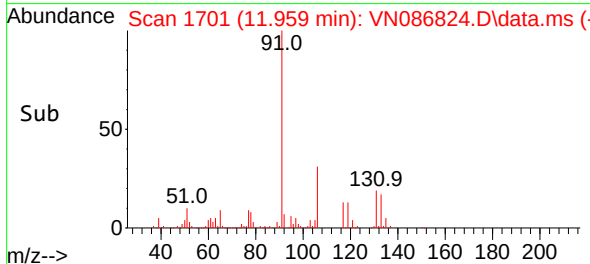
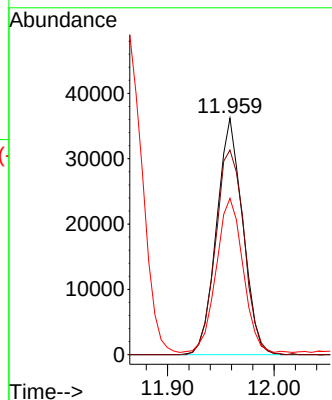
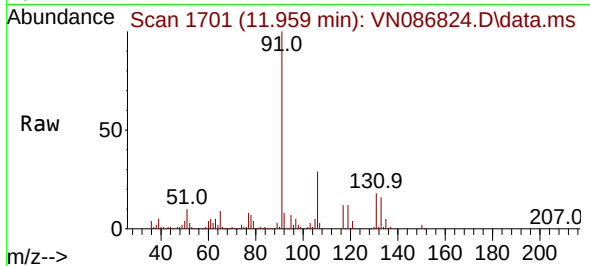




#65
1,1,1,2-Tetrachloroethane
Concen: 20.043 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

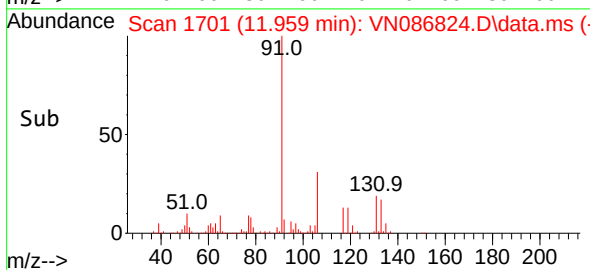
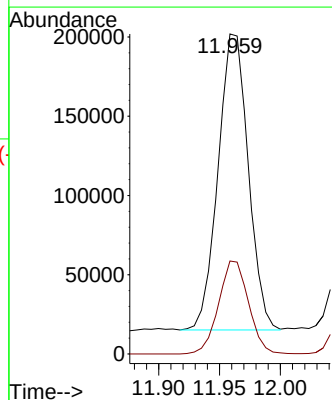
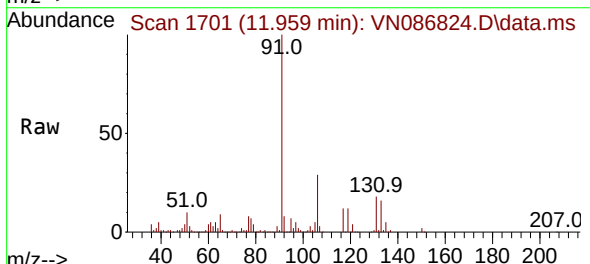
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

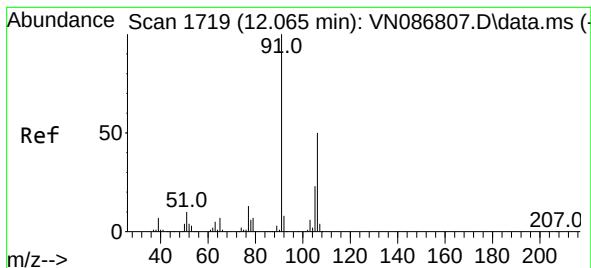
Tgt Ion:131 Resp: 61820
Ion Ratio Lower Upper
131 100
133 94.8 0.0 191.0
119 66.6 0.0 140.8



#66
Ethyl Benzene
Concen: 20.263 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 91 Resp: 322669
Ion Ratio Lower Upper
91 100
106 31.4 23.6 35.4

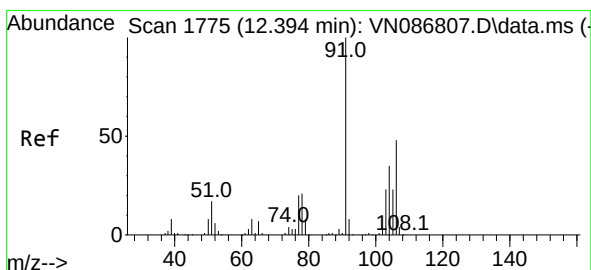
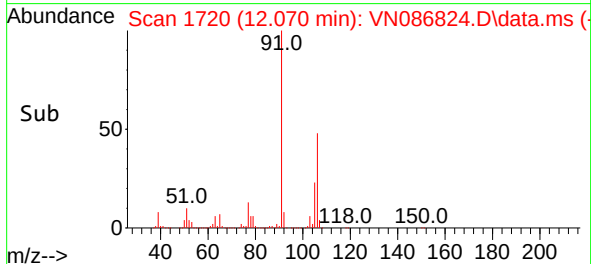
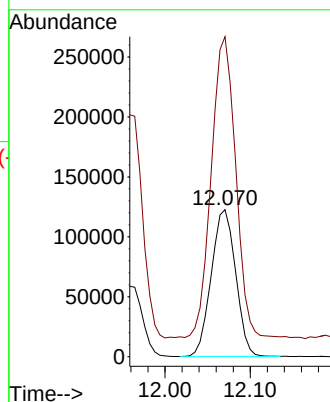
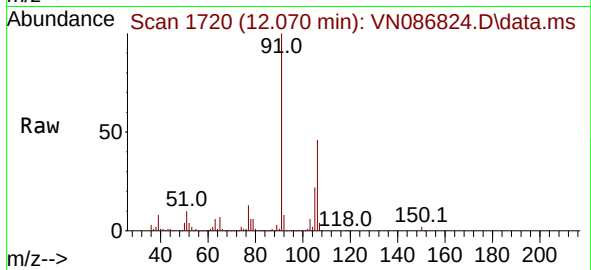




#67
m/p-Xylenes
Concen: 39.074 ug/l
RT: 12.070 min Scan# 1719
Delta R.T. 0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

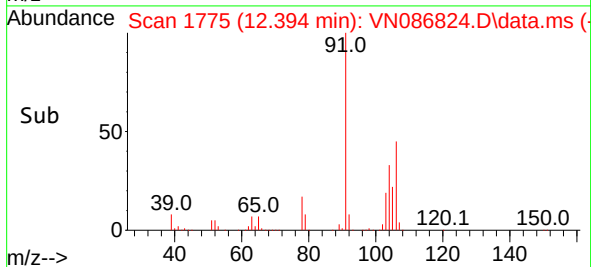
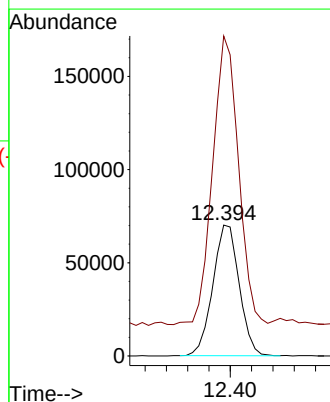
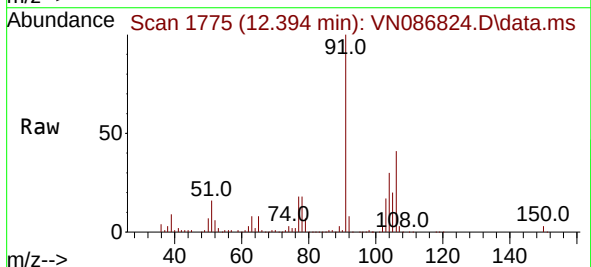
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

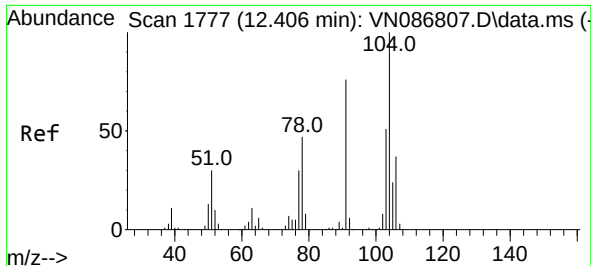
Tgt Ion:106 Resp: 244163
Ion Ratio Lower Upper
106 100
91 204.1 160.7 241.1



#68
o-Xylene
Concen: 19.820 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion:106 Resp: 120029
Ion Ratio Lower Upper
106 100
91 215.3 106.3 318.9

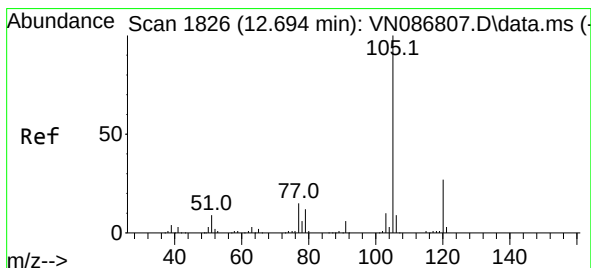
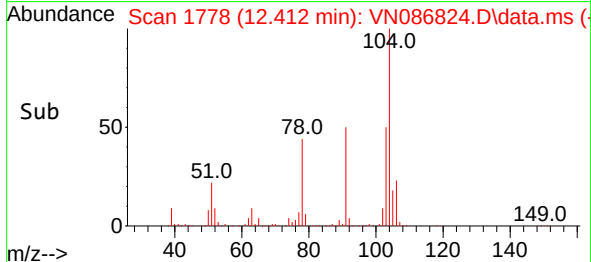
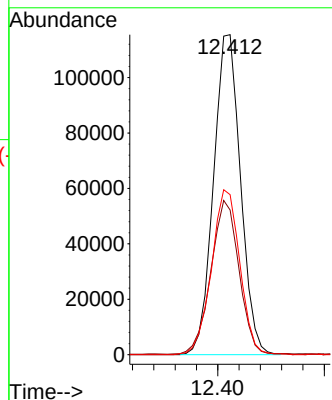
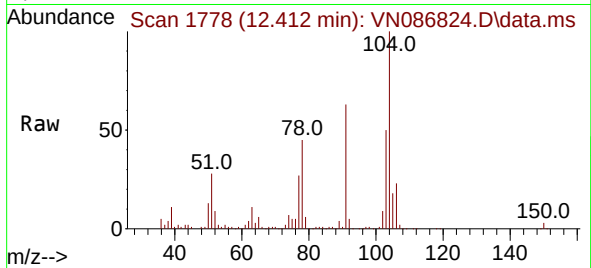




#69
Styrene
Concen: 20.131 ug/l
RT: 12.412 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

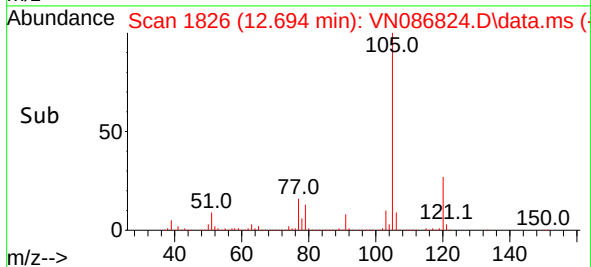
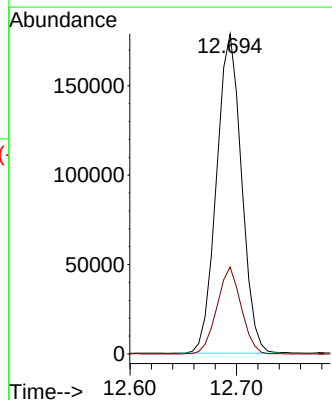
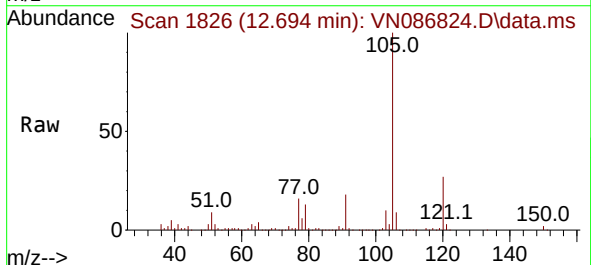
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

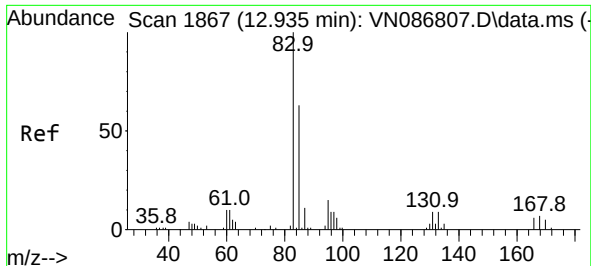
Tgt Ion:104 Resp: 203110
Ion Ratio Lower Upper
104 100
78 49.9 38.6 57.8
103 54.0 43.2 64.8



#70
Isopropylbenzene
Concen: 20.191 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion:105 Resp: 290814
Ion Ratio Lower Upper
105 100
120 26.3 19.0 35.2

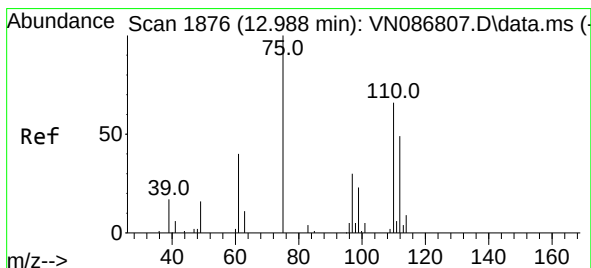
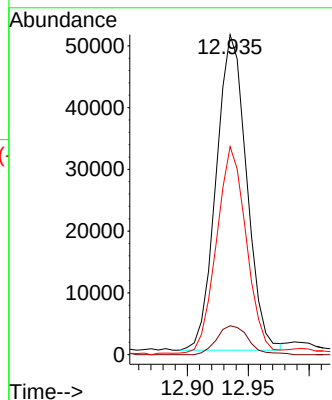
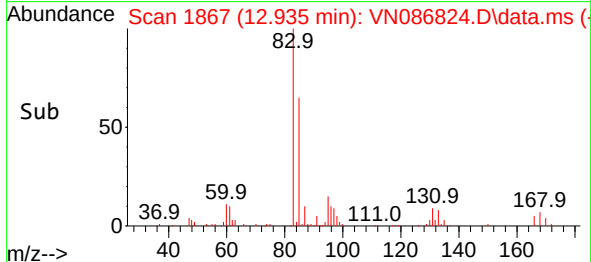
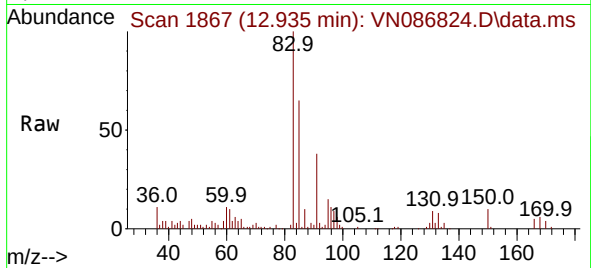




#71
1,1,2,2-Tetrachloroethane
Concen: 25.921 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

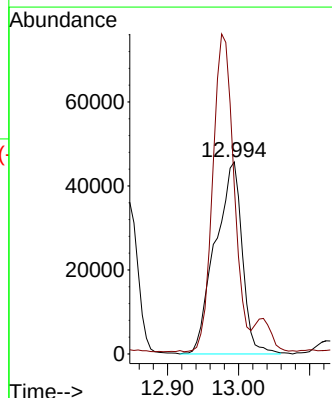
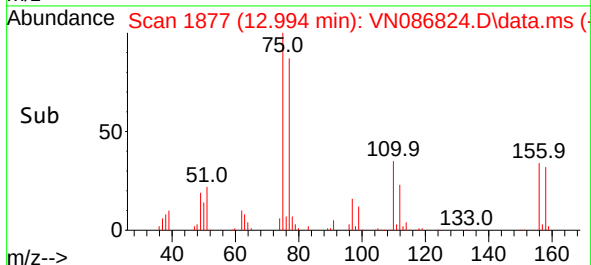
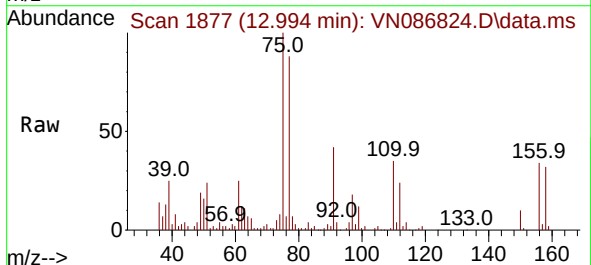
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

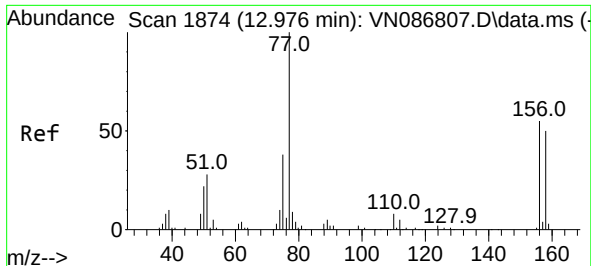
Tgt Ion: 83 Resp: 88767
Ion Ratio Lower Upper
83 100
131 9.6 5.0 15.0
85 64.1 32.6 97.7



#72
1,2,3-Trichloropropane
Concen: 30.023 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 75 Resp: 120497
Ion Ratio Lower Upper
75 100
77 130.1 0.0 390.6

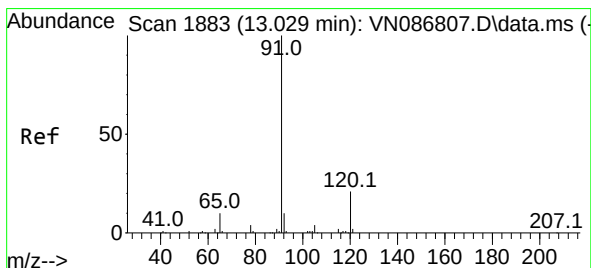
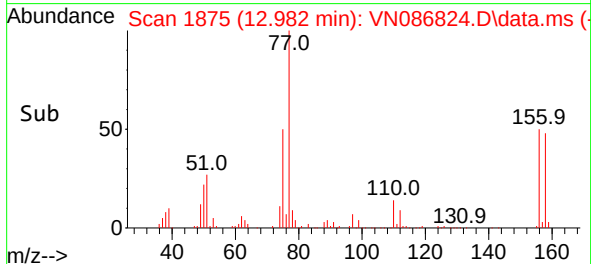
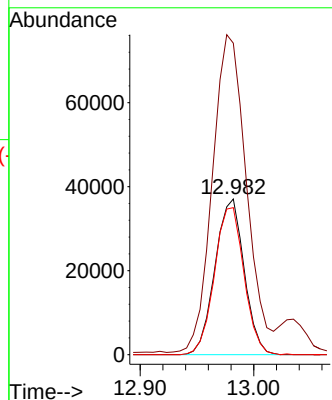
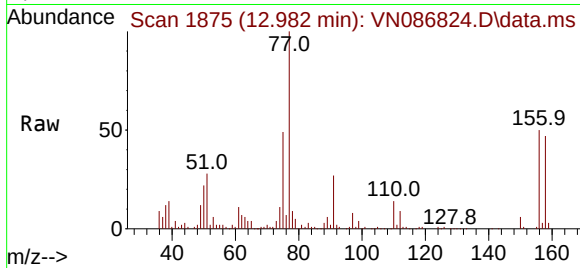




#73
Bromobenzene
Concen: 18.467 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

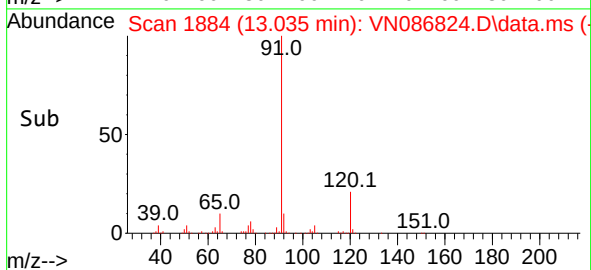
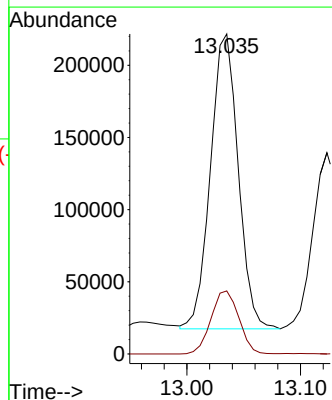
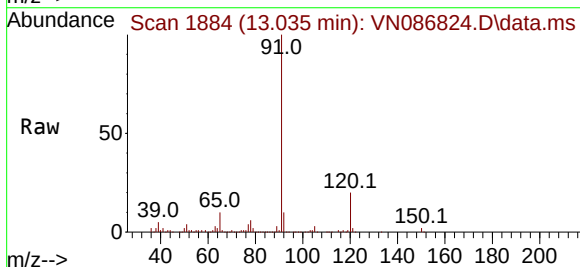
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

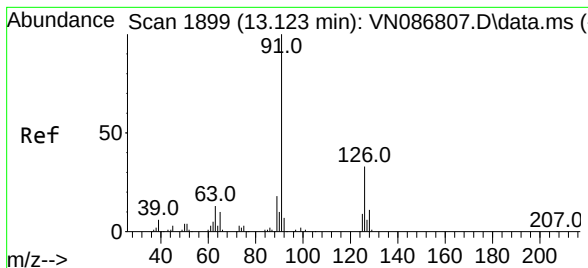
Tgt Ion:156 Resp: 66112
Ion Ratio Lower Upper
156 100
77 237.1 0.0 442.0
158 95.8 0.0 191.8



#74
n-propylbenzene
Concen: 20.336 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 91 Resp: 346953
Ion Ratio Lower Upper
91 100
120 21.5 0.0 45.6

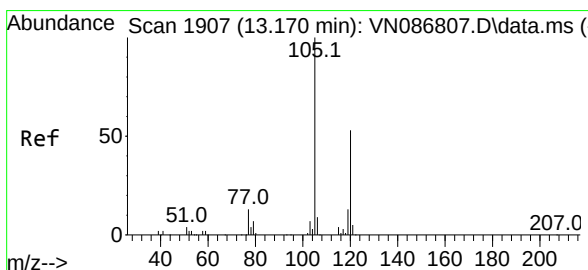
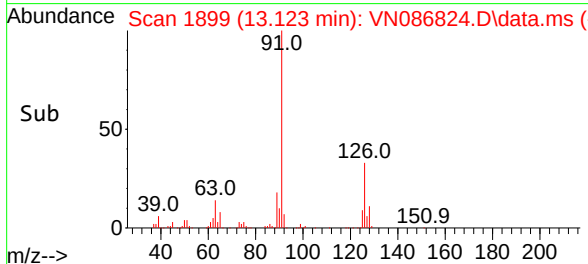
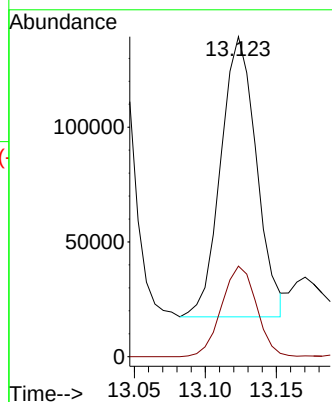
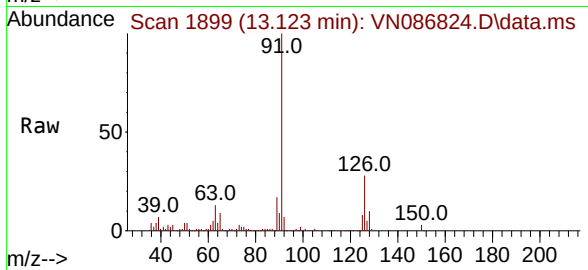




#75
2-Chlorotoluene
Concen: 19.501 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

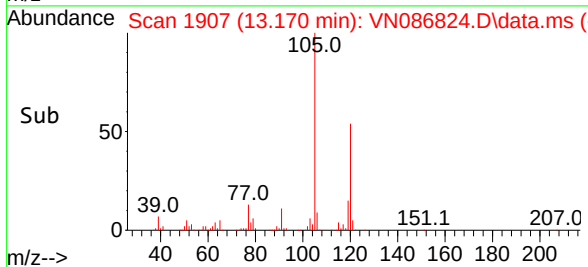
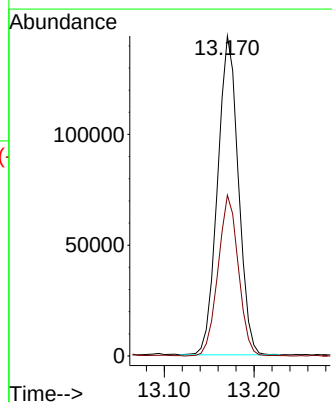
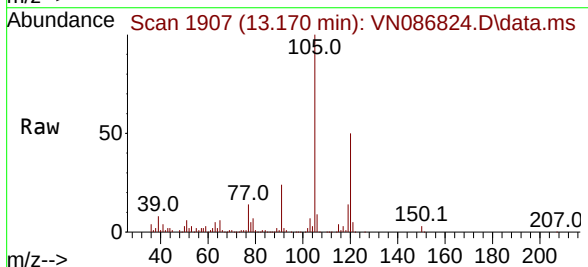
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

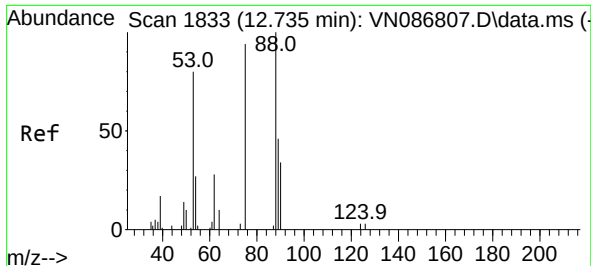
Tgt Ion: 91 Resp: 213543
Ion Ratio Lower Upper
91 100
126 31.6 0.0 64.4



#76
1,3,5-Trimethylbenzene
Concen: 19.328 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 105 Resp: 231591
Ion Ratio Lower Upper
105 100
120 49.3 0.0 101.4

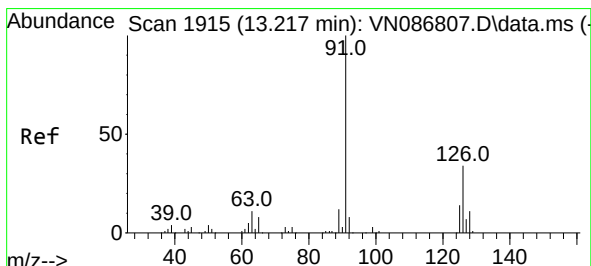
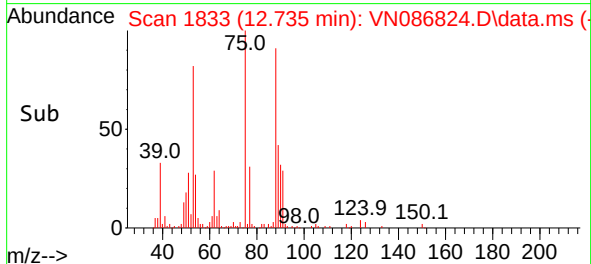
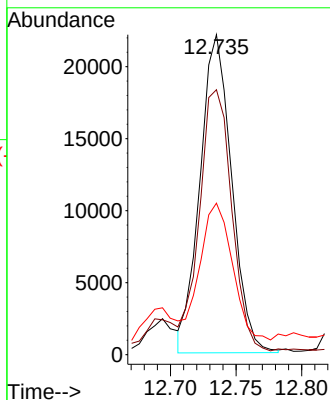
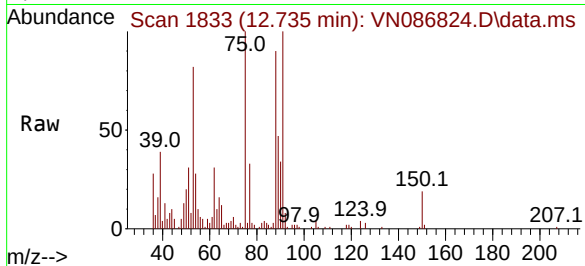




#77
t-1,4-Dichloro-2-butene
Concen: 22.656 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

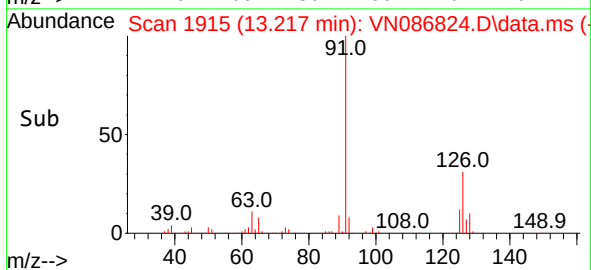
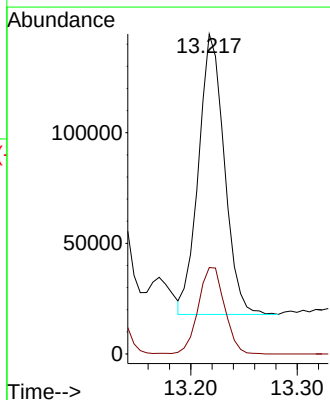
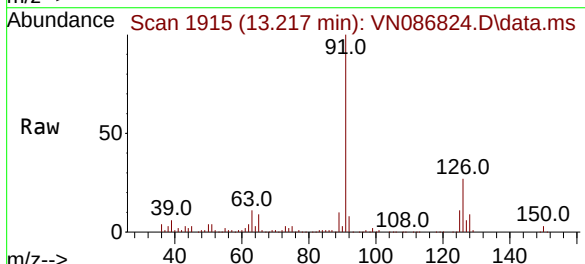
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

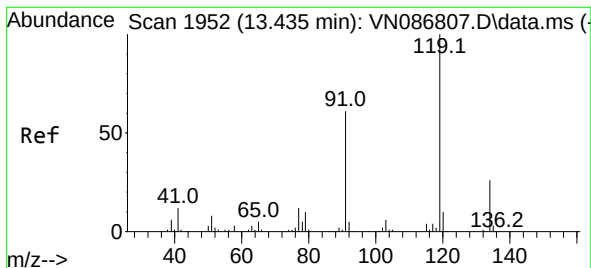
Tgt Ion: 75 Resp: 37212
Ion Ratio Lower Upper
75 100
53 82.2 43.0 128.8
89 41.5 25.4 76.2



#78
4-Chlorotoluene
Concen: 19.720 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 91 Resp: 213914
Ion Ratio Lower Upper
91 100
126 31.4 0.0 66.6





#79

tert-butylbenzene

Concen: 19.671 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN086824.D

Acq: 29 May 2025 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

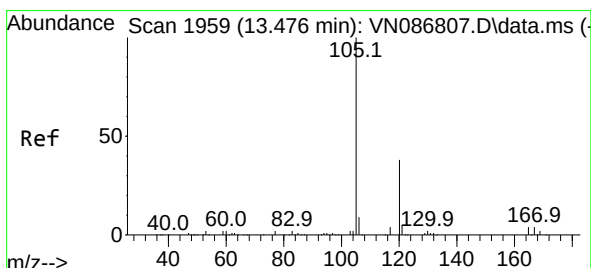
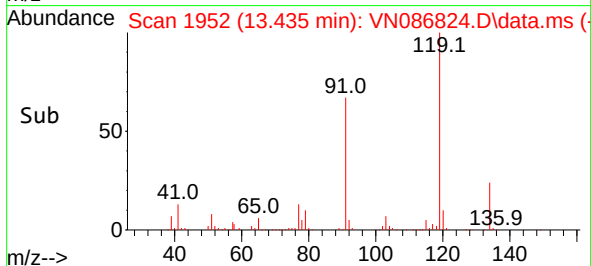
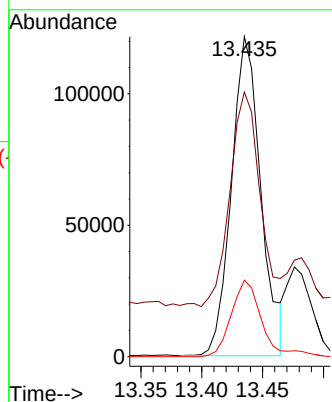
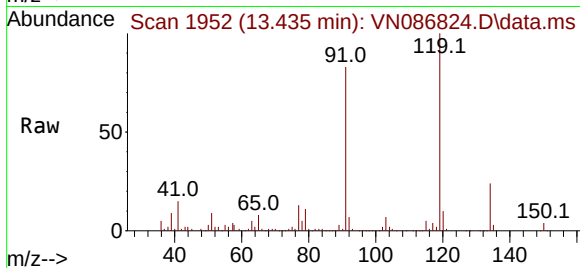
Tgt Ion:119 Resp: 203786

Ion Ratio Lower Upper

119 100

91 68.5 0.0 130.4

134 23.7 0.0 50.6



#80

1,2,4-Trimethylbenzene

Concen: 19.334 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN086824.D

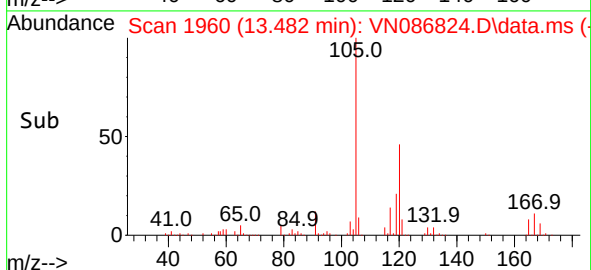
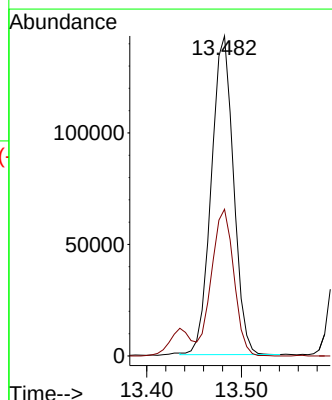
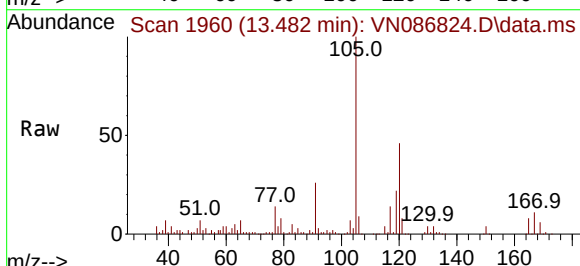
Acq: 29 May 2025 19:01

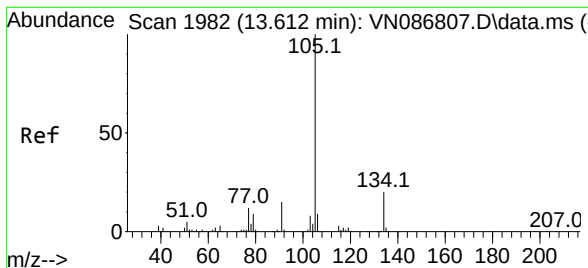
Tgt Ion:105 Resp: 232541

Ion Ratio Lower Upper

105 100

120 45.8 0.0 92.2





#81

sec-Butylbenzene

Concen: 19.221 ug/l

RT: 13.611 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN086824.D

Acq: 29 May 2025 19:01

Instrument :

MSVOA_N

ClientSampleId :

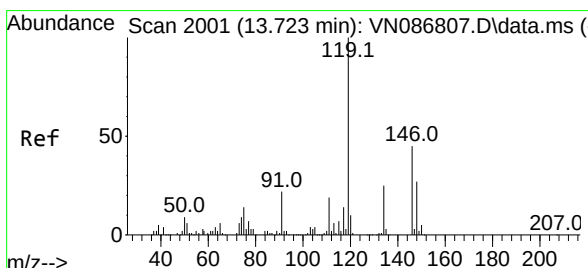
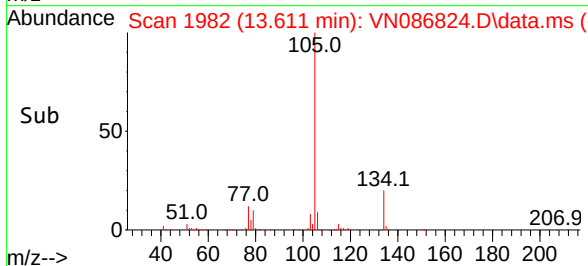
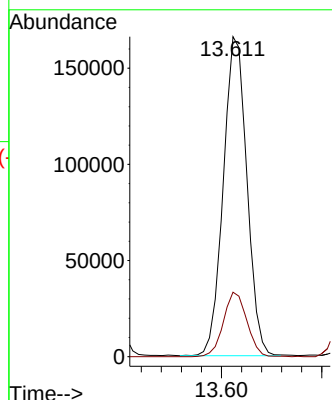
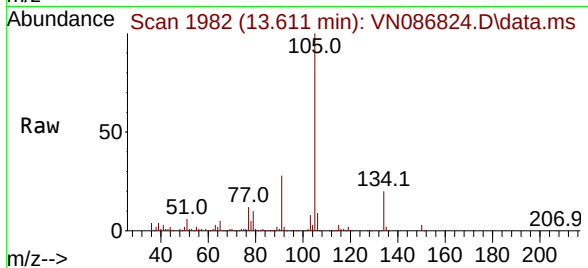
VSTDCCC020EC

Tgt Ion:105 Resp: 271279

Ion Ratio Lower Upper

105 100

134 20.1 0.0 40.0



#82

p-Isopropyltoluene

Concen: 18.935 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN086824.D

Acq: 29 May 2025 19:01

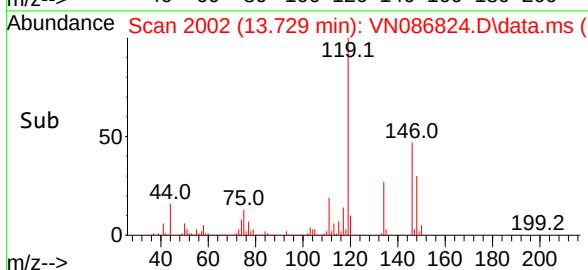
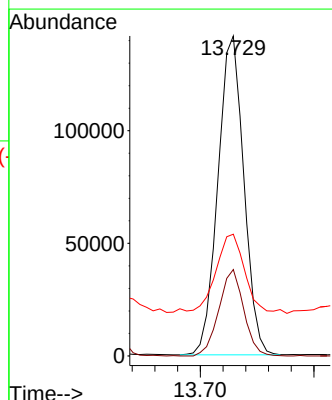
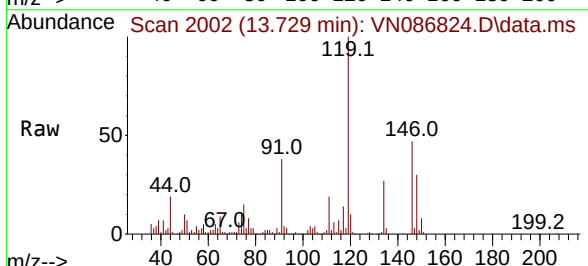
Tgt Ion:119 Resp: 224401

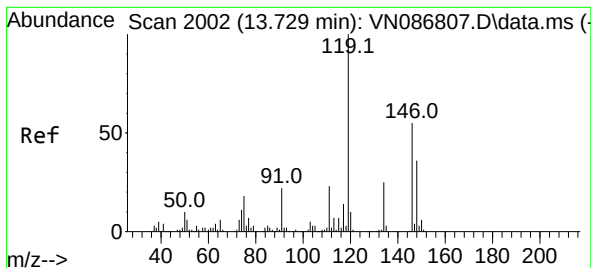
Ion Ratio Lower Upper

119 100

134 25.9 0.0 51.8

91 25.7 0.0 45.2





#83

1,3-Dichlorobenzene

Concen: 16.911 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086824.D

Acq: 29 May 2025 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

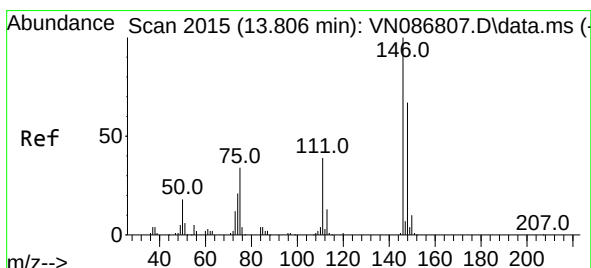
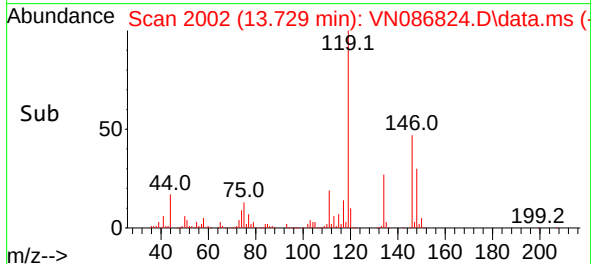
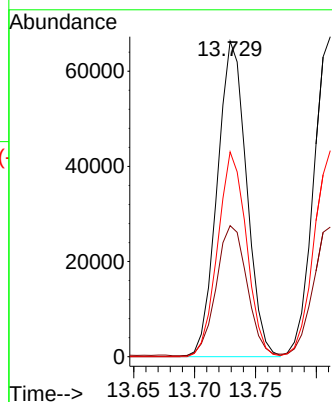
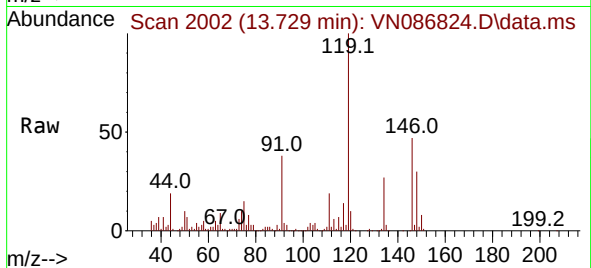
Tgt Ion:146 Resp: 111067

Ion Ratio Lower Upper

146 100

111 43.1 21.1 63.1

148 63.7 32.1 96.5



#84

1,4-Dichlorobenzene

Concen: 17.174 ug/l

RT: 13.811 min Scan# 2016

Delta R.T. 0.006 min

Lab File: VN086824.D

Acq: 29 May 2025 19:01

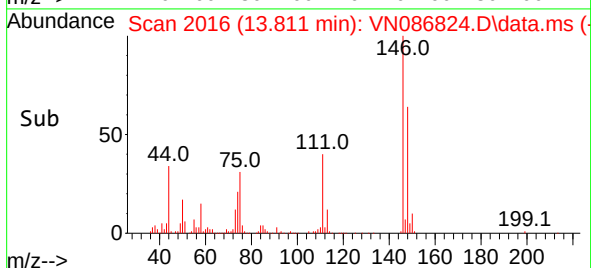
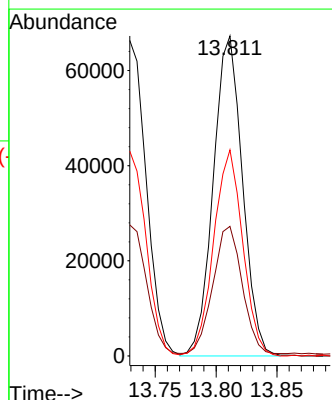
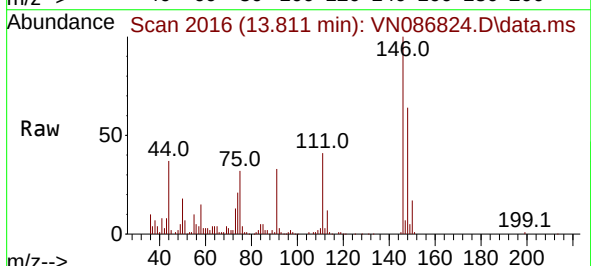
Tgt Ion:146 Resp: 112244

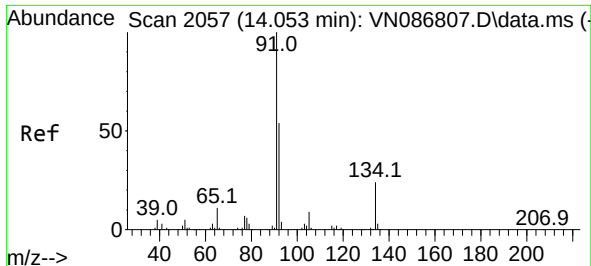
Ion Ratio Lower Upper

146 100

111 40.5 19.8 59.4

148 64.2 31.9 95.5

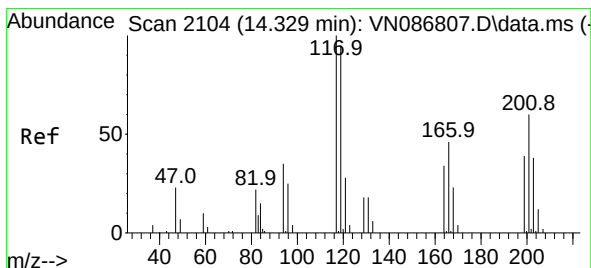
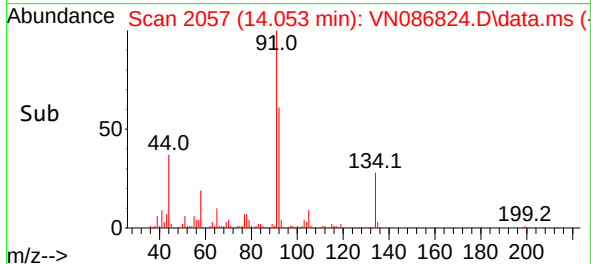
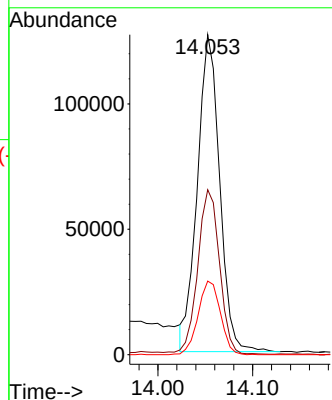
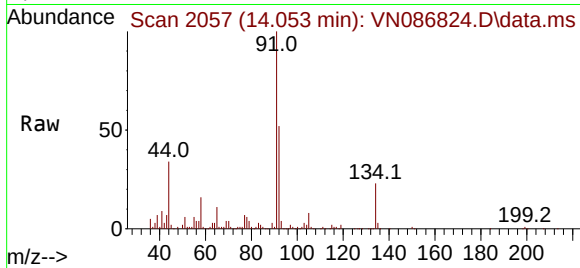




#85
n-Butylbenzene
Concen: 20.809 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

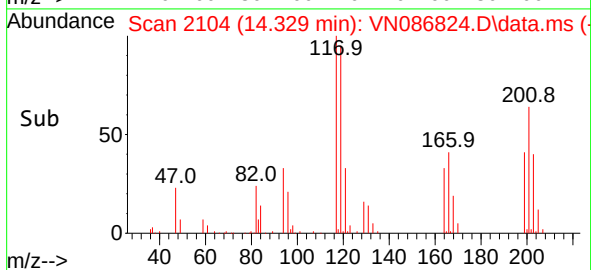
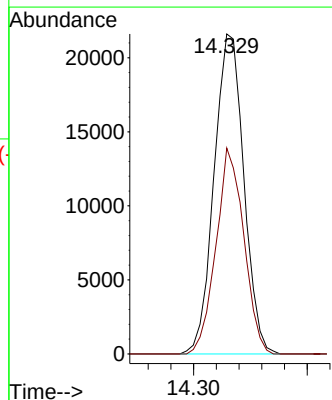
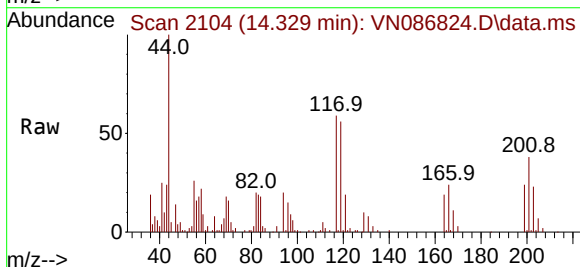
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

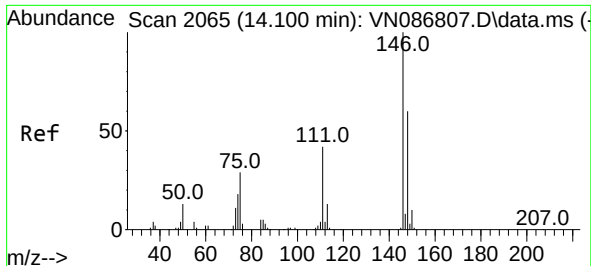
Tgt Ion: 91 Resp: 206450
Ion Ratio Lower Upper
91 100
92 50.0 0.0 107.6
134 23.2 0.0 50.0



#86
Hexachloroethane
Concen: 19.445 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 117 Resp: 39275
Ion Ratio Lower Upper
117 100
201 60.2 31.4 94.3

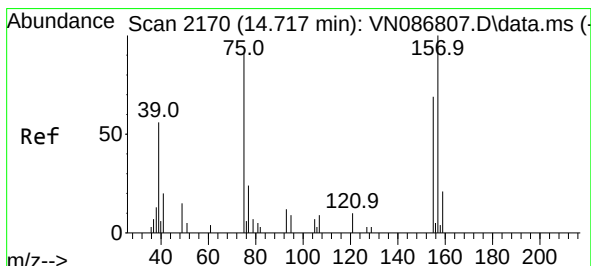
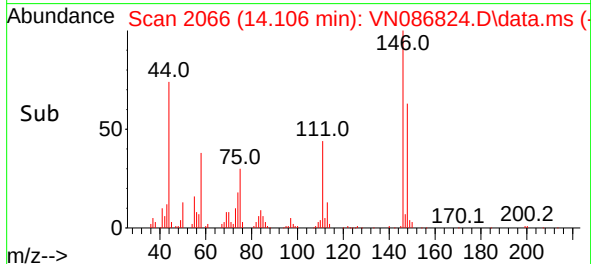
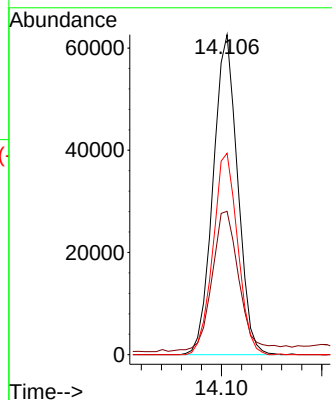
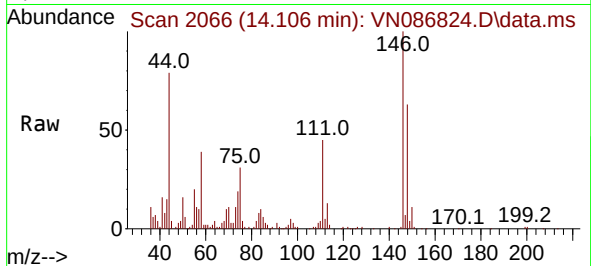




#87
1,2-Dichlorobenzene
Concen: 16.767 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

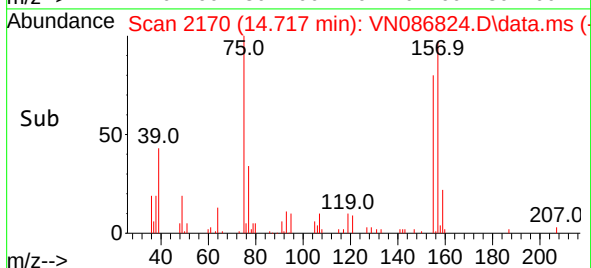
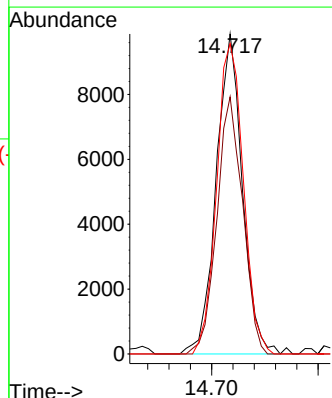
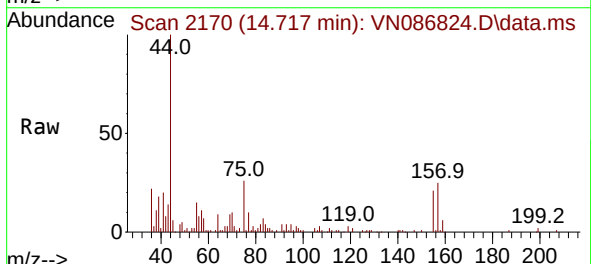
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

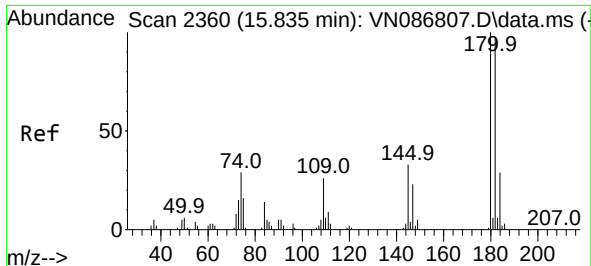
Tgt Ion:146 Resp: 106225
Ion Ratio Lower Upper
146 100
111 48.8 21.6 64.8
148 63.5 31.6 94.7



#88
1,2-Dibromo-3-Chloropropane
Concen: 23.267 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion: 75 Resp: 16779
Ion Ratio Lower Upper
75 100
155 79.5 62.9 94.3
157 99.1 84.0 126.0

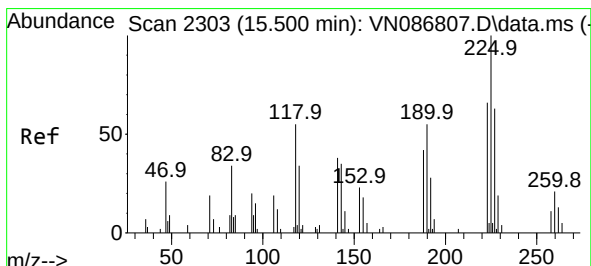
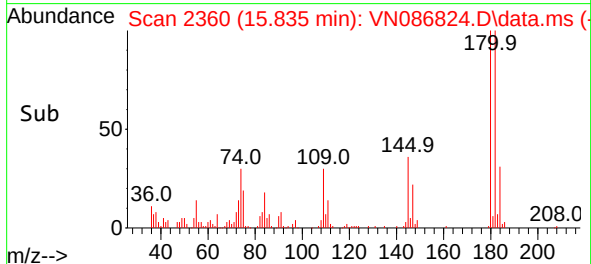
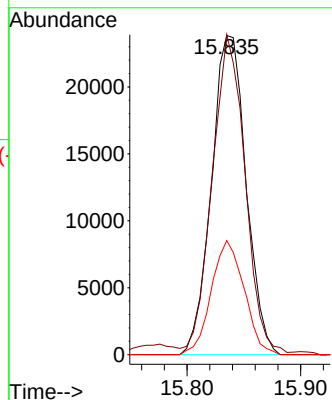
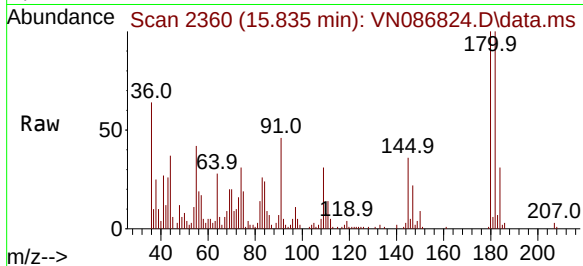




#89
 1,2,4-Trichlorobenzene
 Concen: 19.002 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN086824.D
 Acq: 29 May 2025 19:01

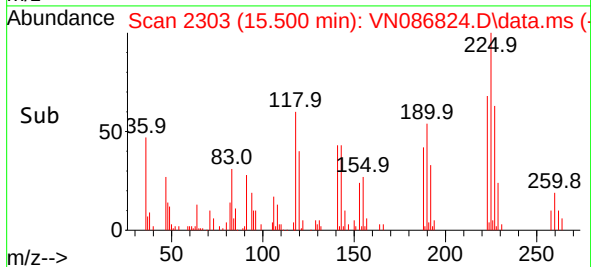
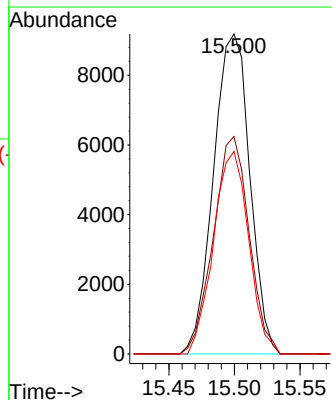
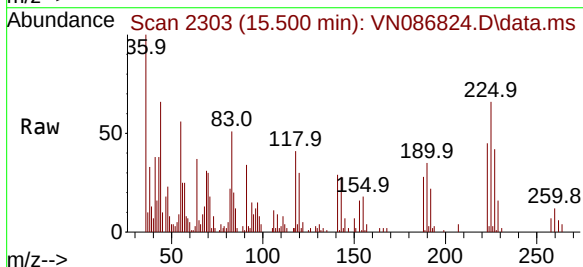
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

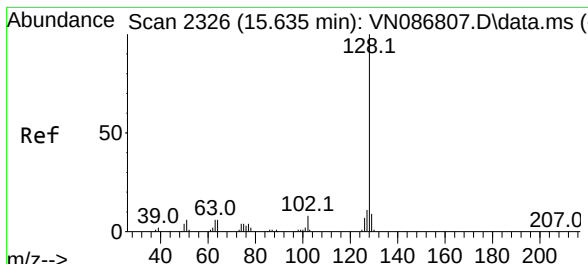
Tgt Ion:180 Resp: 50381
 Ion Ratio Lower Upper
 180 100
 182 95.6 78.2 117.2
 145 34.0 28.0 42.0



#90
 Hexachlorobutadiene
 Concen: 15.580 ug/l
 RT: 15.500 min Scan# 2303
 Delta R.T. -0.000 min
 Lab File: VN086824.D
 Acq: 29 May 2025 19:01

Tgt Ion:225 Resp: 17705
 Ion Ratio Lower Upper
 225 100
 223 66.8 0.0 135.8
 227 61.2 0.0 125.0

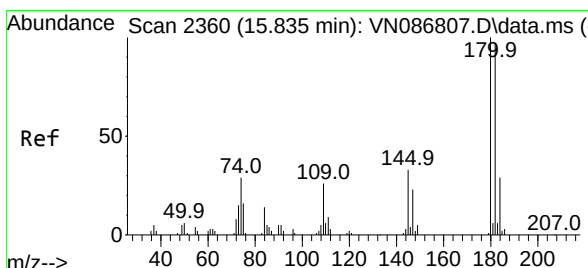
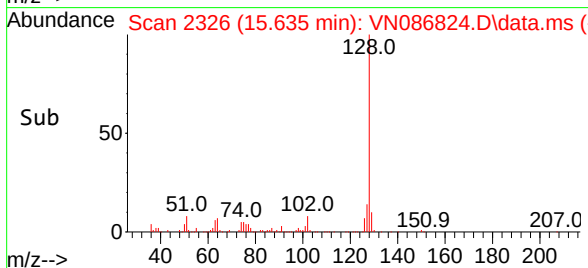
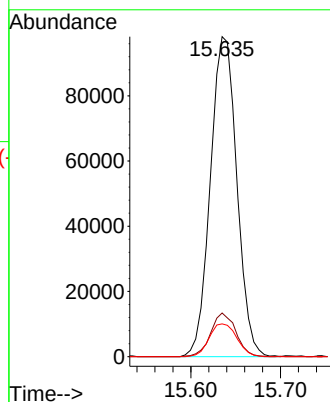
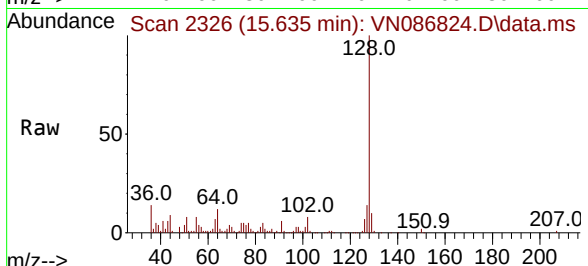




#91
Naphthalene
Concen: 21.748 ug/l
RT: 15.635 min Scan# 21193
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 201193
Ion Ratio Lower Upper
128 100
127 13.0 9.8 14.6
129 10.7 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 19.002 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086824.D
Acq: 29 May 2025 19:01

Tgt Ion:180 Resp: 50381
Ion Ratio Lower Upper
180 100
182 95.6 0.0 195.4
145 34.0 0.0 70.0

